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ESTABLISHED 1858

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1911

INCORPORATED 1896

Annual Catalogue

Department of Agriculture  
Washington, D. C.

SEEDS

IMPLEMENTS, ETC.

20

W. H. Tracy Jr.



Kendall & Whitney  
Federal and  
Temple Sts. PORTLAND,  
MAINE.

1911

ESTABLISHED 1858

INCORPORATED 1896

**PLEASE ACCEPT THIS COPY OF OUR**

## **Annual Seed and Implement Catalogue**

and if you should receive an extra copy we hope you will hand it to your neighbor.

**We Offer Only the "Highest Grade and Most Perfect"**

## **Garden, Field and Flower Seeds**

### **OBTAINABLE**

and we would solicit a careful examination of the contents of our catalogue, trusting you may favor us with your order.

It is important that orders be sent to us "as soon after receipt of Catalogue as convenient," that we may be able to give customers the quickest possible shipments, and we would suggest that anyone failing to receive **prompt** shipments should inform us, as it frequently happens that orders reach us **without a signature**, so please give your **Name, Post Office, County and State** in full, as plainly as possible; your **name especially written very distinctly**.

We **urge** customers to inform us promptly on the arrival of orders if anything proves otherwise than expected. Mail orders receive the same careful attention that customers do over our counters, but if errors occur, we are willing and anxious to correct them.

**Market Gardeners, and others, requiring large quantities of seeds, are invited to write us for quotations.**

Greenhouse plants furnished at short notice.

Seeds forwarded by **Mail, Express or Freight**, as the purchaser may wish.

In shipping we make no charge for delivery to railroads or express companies.

Bags charged at cost.

**Prices quoted in our Catalogue are subject to change without notice.**

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**ALL CORRESPONDENCE ANSWERED PROMPTLY.**

**While we exercise the greatest care to have all Seeds pure and reliable, we do not give any warranty, Expressed or Implied. If the purchaser does not accept the Seeds on these conditions they must be returned at once.—K. & W.**

**KENDALL & WHITNEY**

# Kendall & Whitney's

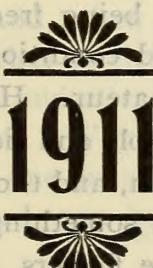
ILLUSTRATED AND DESCRIPTIVE

# CATALOGUE

OR

## GARDEN, FIELD and FLOWER

# SEEDS

 1911

 1911



## Seed Merchants, Growers and Importers

AND DEALERS IN

**Agricultural and Horticultural Implements,**

**Fertilizers, Poultry and Dairy Supplies,**

**Wooden Ware, Galvanized Iron Ware,**

**Brooms, Brushes, Cordage, Etc.**

# KENDALL & WHITNEY

Federal and Temple Sts., PORTLAND, ME.

## BRIEF HINTS

ON THE SOWING AND CULTIVATION OF

## - FLOWER SEEDS -

### THE SOIL AND ITS PREPARATION.



THE best soil for annuals and for most flowering plants, whether biennials or perennials, is a light, rich loam. In such they grow readily and attain to great perfection of bloom with but little care. By the application of proper manures, sand or clay, they can be brought to such a condition as to answer all the purposes of a flower garden. Deep and thorough trenching in the autumn, if possible, and the application of very old or decayed manure or leaf mold, will give the amateur a well prepared and suitable soil.

Where the soil is too light, a thin layer of clay, if to be had, should be spread over the surface in the autumn, and dug in—after being pulverized by the winter frosts—in the spring. This, with the use of old manure—that which has lain a year or more, and being frequently turned over till it becomes thoroughly decayed—will keep the garden in good condition. No unvarying rules can be given; much must be left to the judgment of the amateur. He must understand that the soil of a good garden should be deep, well pulverized, friable and rich.

Where the flower garden is a specialty, then more pains ought to be taken, and those who are about to do this, if they have not the requisite information, will consult something more than a catalogue. Our hints are intended for the mass of the people who love flowers, and do not wish to incur great expense in the gratification of their taste.

### PERIOD FOR SOWING.

This must depend much upon the season as well as the locality. As a general rule, the proper time to commence sowing is about the middle of April, though a few sorts may be planted as soon as the ground can be got ready; and for a succession the sowing should be continued until June. In the Southern States, of course, January, February or March will be the time to sow, as they correspond with April, May and June at the North. To avoid all danger of injury, the sowing may be deferred till the last of April, but when a little labor is of no consideration the sowing may be made earlier, and, in case of failure or injury from frost or wet, another sowing may be made when the weather is more favorable. Because we recommend April, it is not to be understood the sowing must be made at that time. If sown in any part of May, they will flower later, but abundantly throughout the latter part of the summer.

It is the great error to cover too deeply, and the cause of more than half of the complaints against seedmen of selling old and worthless seeds comes from inexperience and want of judgment in sowing. No rule can be given in this respect, but, as a general guide, all large seeds may be sown half an inch deep; smaller, less, and for the smallest, a covering of one-sixteenth of an inch will suffice. If sown too deeply they are longer in germinating, and are liable to decay. Avoid the general error of sowing the seeds too thickly, as it causes an elongated and feeble growth, which no subsequent thinning will entirely remedy.

As soon as the seedlings have made three or four leaves, and are an inch high, they should be thinned out. If they are kinds which will bear removal, they may be replanted in vacant spaces in the border. Tall growing plants, with spreading branches, will require more room than slender growing, dwarf kinds. Stir the soil around the plants from time to time, and, if they appear crowded, a second thinning will be of great benefit to those that remain. If the growth is not strong from the nature of the soil, apply occasionally a small amount of phosphate or bone dust.

Transplanting should, if possible, always be done in cloudy weather. If the soil is dry the plants will require a light watering, to settle the earth around the roots, and if warm, sunny days succeed the operation, they will root all the better to have shade for a day or two. All large growing plants should be transplanted singly, but many of the smaller may be removed in patches without any trouble. After the plants are established, they will need no other care than to tie up the taller growing sorts to stakes, to prevent the wind and rain from beating them down and injuring their blossoms.

## GARDEN REQUISITES.

There are several aids to the economical management of the garden, which are almost indispensable; one of these is the *hot-bed* frame for the forwarding of plants for early planting—a frame made of various sizes, according to the size of the garden, from four sashes upward. The length of sash is generally six feet, by three wide, the size of glass six by eight inches. The frame should have a southern or a southeastern exposure; should be made up of fresh horse manure, and a few leaves mixed with it; this must be laid in a heap preparatory to being used, and, when in a proper state of fermentation, prepared for the reception of the frame. A few inches of rich, loamy soil must be spread over the manure; then cover the frame with the sashes, and after standing a few days, to allow the rank heat and steam to pass off, the seed can be sown. Where the ground is well drained, a better plan is to dig out a space the size of the frame, one or two feet deep, according to the season and the heat required, in which the manure is placed, care being taken to pack firmly and evenly.

## SEEDS IN PACKETS OR OUNCES.

The following may be selected from our Catalogue, at the prices named, and will be forwarded, postage free, to any part of the United States:

**Purchasers remitting \$1.00 may select seeds (in PACKETS OR OUNCES only) at Catalogue prices, amounting to \$1.25.**

**Purchasers remitting \$2.00 may select seeds (in PACKETS OR OUNCES only) at Catalogue prices, amounting to \$2.50.**

**Purchasers remitting \$3.00 may select seeds (in PACKETS OR OUNCES only) at Catalogue prices, amounting to \$4.00.**

**Purchasers remitting \$4.00 may select seeds (in PACKETS OR OUNCES only) at Catalogue prices, amounting to \$5.50.**

**Purchasers remitting \$5.00 may select seeds (in PACKETS OR OUNCES only) at Catalogue prices, amounting to \$7.00.**

**Seeds when ordered in larger amounts than the above (as quarts or pounds) WILL NOT BE INCLUDED, NOR PLANTS OR BULBS.**

# A DESCRIPTIVE LIST OF FLOWER SEEDS

FLOWER SEEDS SENT FREE BY MAIL ON RECEIPT OF PRICE

## ABRONIA UMBELLATA.

Per Pkt.

Handsome, trailing annuals, with clusters of sweet-scented flowers resembling the verbena. Fine for baskets or for the garden. Blooms from August until October . . . . .

5

## ACROLINIUM.

An elegant, half-hardy annual, producing beautiful everlasting flowers. Grows about one foot high.

ALBUM. Pure white . . . . .  
ROSEUM. Bright rose color . . . . .  
MIXED . . . . .

5  
5  
5

## ADONIS.

A hardy annual, with very pretty foliage, producing bright red flowers. Grows about one foot high and blooms for a long time . . . . .

5

## AGERATUM.

Half-hardy, free flowering annuals, blooming throughout the season. Fine for beds or borders.

FINE MIXED. 1 ft. . . . .  
IMPERIAL DWARF BLUE. 8 in. 10  
PERFECTION DARK BLUE. 1 ft. 10

5

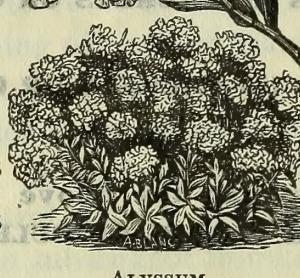


## ALYSSUM.

A hardy annual, about eight inches high, with clusters of small, fragrant flowers. Fine for bedding and bouquets.

SWEET. White; 1 ft. . . . .  
SAXATILE COMPACTA. Yellow;  $\frac{3}{4}$  ft.; hardy perennial . . . . .  
OM THUMB. Very dwarf; white . . . . .

5  
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## ANTIRRHINIUM. (Snap Dragon.)

Per Pkt.



### ANTIRRHINIUM.

A very showy and half-hardy perennial, about two feet high, flowering well the first season. Sow the seeds early, in pots or under glass.

ALBUM. Pure white . . . . .  
BRILLIANT. Scarlet and golden, white throat . . . . .  
FIREFLY. Scarlet and white . . . . .  
FIRE KING. Rose, with orange; fine . . . . .  
GALATHEE. Crimson, white throat . . . . .  
LILACINUM. Lilac . . . . .  
LUTEUM. Yellow . . . . .  
NIGRESCENS. Nearly black . . . . .  
BEST MIXED VARIETIES . . . . .

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## AMARANTHUS.

Half-hardy annuals, about two feet high, with finely variegated foliage. They are most brilliant on poor soil and in dry seasons.

TRICOLOR . . . . .

## AMMOBIUM ALATUM.

A useful everlasting for making dried winter bouquets and a showy border plant, growing freely in any garden soil. Hardy annual.

WHITE. 2 ft. . . . .

5

## AMPELOPSIS—Veitchii. (Boston Ivy.)

Popular, rapid growing, hardy vine. Adheres firmly to stone or brick, foliage turning very brilliant in the autumn.

MIXED . . . . .

5

## ANAGALLIS.

Beautiful, trailing, hardy annuals, about six inches high, and very desirable for small beds, edgings, baskets, etc.

MIXED . . . . .

5

## ASPERULA.

A most profuse-blooming, hardy annual, attaining an average growth of one foot, the flowers of which are a beautiful light blue, are very sweet scented, and last a long while in perfection. 1 ft. . . . .

5

## ASTER.

Very beautiful and popular half-hardy annuals, growing from ten to eighteen inches high. For profusion of flowers and richness of display, the asters are unrivaled. Sow the seed early in the spring, under glass or in pots in the house, and transplant into rich soil, about one foot apart.

HERCULES. Purest white, petals very long, flowers attaining the enormous diameter of six inches. Excellent for pot culture . . . . .

25

## ASTER—Continued.

Per Pkt.

<b>CO CARDE A U O R C R O W N.</b> The flowers of this variety have large white centres bordered with scarlet, carmine, violet or blue; attractive and beautiful; 1½ ft.	5
<b>D W A R F P Y R A M I D A L B O U Q U E T.</b> The plants, when well grown, form a complete bouquet of flowers of splendid mixed colors; 1 ft.	10
<b>D W A R F C H R Y S A N T H E M U M F L O W E R E D.</b> A free bloomer, with large flowers; mixed; 1 ft.	10
<b>T A L L C H R Y S A N T H E M U M F L O W E R E D.</b> Taller than the preceding; mixed	10
<b>CO M E T A S T E R.</b>	
<b>R O S E F L O W E R E D.</b> A fine variety; flowers very double; mixed; 2 ft.	10
<b>T R U F F A U T ' S P E O N Y - F L O W E R E D P E R F E C T I O N .</b> An early flowering variety; flowers very double; fine mixed colors; 2 ft.	10
<b>M I G N O N.</b> A class of semi-dwarf habit, flowering profusely; very popular, especially with florists.	
<b>P U R E W H I T E .</b>	10
<b>M I X E D C O L O R S .</b>	10
<b>G E R M A N Q U I L L E D .</b> Perfectly double quilled flowers of beautiful mixed colors; 2 ft.	5
<b>C O M E T .</b> A variety of great beauty. Grows in pyramidal form thirteen to fifteen inches high, covered with large double flowers with long curled petals. Choicest mixed varieties	
<b>Q U E E N O F T H E M A R K E T .</b> Finest mixed; very early	10
<b>V I C T O R I A .</b> Very large, of perfectly double form.	
<b>W H I T E .</b>	10
<b>M I X E D .</b>	10
<b>C A R T E R ' S W H I T E P L U M E .</b> One of the most magnificent white asters yet produced; height about 15 inches..	10
<b>J E W E L .</b> A magnificent class obtained from the well-known large flowered Peony Perfection. The flower is densely double, and the petals so symmetrically incurved as to resemble a perfect ball. Mixed colors....	10
<b>T R I U M P H .</b> Deep scarlet. A rich, brilliant color. Each plant bears thirty to forty flowers of great beauty; 8 in.....	10
<b>S E M P L E ' S B R A N C H I N G .</b> A superior and free-flowering class. The flowers are large, with graceful, wavy petals on long stems; excellent for cutting; 2 ft.	
<b>L A V E N D E R .</b>	
<b>P I N K .</b>	10
<b>C R I M O N .</b>	10
<b>W H I T E .</b>	10
<b>P U R P L E .</b>	10
<b>F I N E S T M I X E D .</b> All colors.	10
<b>C H I N E S E .</b> Common variety; mixed	5



JEWEL ASTEE.



## BACHELOR'S

## BUTTON.

Per Pkt.

<b>A</b> showy, hardy annual, about two feet high, succeeding well in any soil. Set six inches apart.	5
<b>F I N E S T M I X E D .</b>	5

<b>E M P E R O R W I L L I A M .</b> Deep blue .....	5
------------------------------------------------------	---

## BACHELOR'S BUTTON.

## BALSAM.

Most magnificent, popular, half-hardy annuals, from one and one-half to two feet in height. Sow the seeds early in frames, and transplant to a well enriched border one foot apart.

## FINE DOUBLE.

Mixed .....

ROSE-FLOWERED ..

CAMELLIA-FLOW-  
E R E D . Finest  
mixed .....

5

5

5



DOUBLE BALSAM.

## BARTONIA AUREA.

A showy, half-hardy annual, growing about two feet high, bearing very brilliant yellow flowers. Thin plants to six inches apart .....

## BEANS. (Flowering.)

See list of beans with vegetable seeds.



DOUBLE DAISY.

## BELLIS PERENNIS. (Double Daisy.)

A favorite perennial for the border or for pot culture. Set plants six inches apart.

RED. Double; very fine.....

SNOWBALL. White; large.....

FINEST MIXED. Double .....

## BRACHYCOME IBERIDIFOLIA.

## (Swan River Daisy.)

Very pretty, free-flowering, dwarf-growing annual; well adapted to edgings, rustic baskets, or pot culture.

MIXED BLUE AND WHITE. ½ ft.....

## BROWALLIA.

Handsome, profuse-blooming annual, covered with beautiful flowers during the summer and autumn months.

ELATA COERULEA. Blue; 1½ ft.....

ALBA. White; 1½ ft.....

FINE MIXED.....



CALENDULA.

## CALENDULA.

Per Pkt.

Free-flowering, hardy annual, growing in any good garden soil, producing a fine effect in beds or mixed borders. 1 to 1½ feet.	
METEOR. Double; yellow striped orange	5
PRINCE OF ORANGE. Double; dark orange	5
FINEST DOUBLE MIXED	5

BEGONIAS BIRDS

MARIGOLD

CANDYTUFT

CLARKIA

COBAEA SCANDENS

COCOS COMB.

CORYDALIS



## FOXGLOVE.

Per Pkt.

A hardy biennial, growing three to four feet high, and very ornamental in a garden or amongst shrubbery, as it produces tall spikes of bell-shaped flowers.

FINE MIXED ..... 5

## FRENCH HONEYSUCKLE.

A fine border plant. Hardy perennial.

WHITE ..... 5

RED ..... 5

MIXED ..... 5

## GAILLARDIA.

Showy and universally-admired annual. Very beautiful; fine for bedding and bouquets.

FINE MIXED ..... 5

## GOURDS.

A valuable and highly interesting class of climbing plants. Tender annuals.

BOTTLE. Well-known and very useful ..... 5

HERCULES CLUB. Club shaped ..... 5

NEW MINIATURE. Orange and green striped; one of the best ..... 5

ORANGE. Very ornamental, fruit resembling an orange ..... 5

POWDER HORN ..... 5

FINE MIXED ..... 5

## GLOBE AMARANTH.

A tender annual, about two feet high, very ornamental in the garden. The flowers will retain their beauty for a long time if gathered and dried as soon as they are open. Start early in hot-beds, and transplant one foot apart in the border when the weather becomes warm.

PURPLE ..... 5

WHITE ..... 5

CRIMSON ..... 5

VARIEGATED ..... 5

## GLOXINIA.

Greenhouse plants, producing richly colored and brilliant flowers. Perennial.

CARTER'S INVINCIBLE PRIZE. Contains all the best self-colors, crimson, sapphire, purple, ruby, rose, blush violet and white, together with the most beautiful spotted or marbled kinds ..... 25

## GRASSES. (Ornamental.)

The ornamental grasses produce a beautiful and pleasing contrast when interspersed with flowering plants. Most of the varieties may be dried for winter bouquets, or used for filling vases, either in a dried or a green state.

## Agrostis Nebulosa.

One of the most graceful grasses in cultivation. Hardy annual; 1½ ft ..... 5

## Avena Sterilis. (Animated Oats.)

Very graceful, with large, drooping spikes on slender stems. Hardy annual; 2 ft ..... 5

## Briza Maxima. (Quaking Grass.)

A most beautiful variety; one of the best. Hardy annual; 1¼ ft ..... 5

## Briza Gracilis. (Quaking Grass.)

Very delicate and graceful. Hardy annual; 1 ft ..... 5

## Coix Lachrymæ. (Job's Tears.)

A well-known variety. Half-hardy annual; 2 ft ..... 5

## Eragrostis Elegans. (Love Grass.)

A favorite variety, graceful habit and very much admired. Hardy annual; 2 ft ..... 5

## Gynerium Argentum. (Pampas Grass.)

The finest ornamental grass in cultivation. Half-hardy perennial; 10 ft ..... 10

## Hordeum Jubatum. (Squirrel Tail Grass.)

Very handsome light purple plumes. Hardy annual; 3 ft ..... 5

## Lagurus Ovatus. (Hare's Tail Grass.)

Small white plumes. Hardy annual; 2 ft ..... 5

## Sectaria Microcheta.

Large, drooping plumes of the most graceful description. Hardy annual; 2 ft ..... 5

## Stipa Pennata. (Feather Grass.)

One of the finest of the ornamental grasses. Hardy perennial; 2 ft ..... 5

## GODETIA.

Per Pkt.

Very attractive, hardy annual of easy culture, about one foot high, flowering in July and August.

FINE MIXED ..... 5

## GREVILLEA ROBUSTA.

A very graceful decorative plant, with evergreen, fern-like foliage. Tender perennial ..... 5

## GYPSOPHILIA.

A free-flowering annual that should be in every garden, for it thrives abundantly, furnishing the loveliest material for bouquets.

PANICULATA. (Baby's Breath.) White flowers, fine for bouquets. Hardy perennial; 2 ft ..... 5

FINE MIXED. Hardy annual ..... 5

## HELICHRYSUM. (Eternal Flower.)

A hardy annual, very ornamental in the garden, and very desirable for winter bouquets, as they will retain their form and color for years if gathered and dried when first open.

DOUBLE YELLOW ..... 5

DOUBLE WHITE ..... 5

DOUBLE SCARLET ..... 5

DOUBLE PURPLE ..... 5

DOUBLE FINE MIXED ..... 5



HELIOTROPE.

## HELIOTROPE.

A well-known, half-hardy perennial, particularly prized on account of its delightful fragrance. It is well adapted for bedding or pot culture. Sow the seeds early in spring, in pots or in the hothouse, and transplant into the garden when the weather becomes warm.

LOUISE DELUAX. Rose-tinted flowers ..... 10

MAD. DE BLONAY. White; for bouquets ..... 10

FINEST MIXED. Dark varieties ..... 10



HOLLYHOCK.

## HOLLYHOCK.

Showy perennials, four to six feet high; very effective amongst shrubbery.

DOUBLE WHITE. Flowers pure white, perfectly double ..... 10

EXTRA CHOICE DOUBLE FINEST MIXED ..... 10

FINE MIXED. Double ..... 5

SINGLE. Finest mixed ..... 10

## HONESTY.

A hardy biennial, two feet high, flowering the second year in May and June. The flowers are succeeded by singular semi-transparent seed vessels that are quite ornamental and may be kept for a long time.

5

## HUMULUS JAPONICUS. (Hop.)

An extremely rapid-growing climber, with handsome, variegated foliage. Hardy annual; 20 ft ..... 5

## HYACINTH BEAN.

Tender, climbing annual, producing clusters of blue and white flowers; 10 ft ..... 5

## ICE PLANT.

Per Pkt.

A singular-looking, tender annual, with thick, fleshy leaves that have the appearance of being covered with crystals of ice. Start early in pots and transplant into light, sandy soil, in a warm situation ..... 5

## JACOBEA.

A very gay-colored, showy class of hardy annuals, very effective for bedding. Grows about one foot high. 5

DOUBLE FINEST MIXED.....

## KOCHIA TRICHOHYLLA. (Glowing Ball.)

This ornamental annual plant grows quickly from seed sown in the open ground, when the trees are coming out in leaf, and the plants are always of a rounded or globe-like form. The stems are clothed with slender, light green leaves. Early in the fall the ends of the shoots are set thickly with small, bright scarlet flowers, the bushy plants resembling balls of fire. The plants are equally showy planted singly to show the round ball-like form on all sides or grown in continuous rows ..... 10

## LANTANA.

Highly valuable plants of vigorous growth and branching habit, producing brilliantly-colored flowers constantly changing in hue. Very effective, either for pot culture or for bedding.

FINE MIXED..... 5

## LARKSPUR.

Very beautiful, showy annuals, producing dense spikes of flowers, which are very decorative, either in the garden or when cut for vases. Set ten inches apart.

DWARF DOUBLE ROCKET. Finest mixed ..... 5

DOUBLE BRANCHING. Fine mixed ..... 5

## LAVENDER.

A shrubby plant, half-hardy. Delightful fragrance ..... 5

## LINUM. (Flowering Flax.)

GRANDIFLORUM RUBRUM. Brilliant, dark scarlet. Hardy annual ..... 5

## LOBELIA.

Most excellent and useful plants, free-flowering and of easy culture. Fine for borders, baskets, vases and window boxes.

GRACILIS. Fine for hanging baskets, vases, etc.; light blue; trailing ..... 5

CRYSTAL PALACE. Compact; dark blue; excellent for edging ..... 5

WHITE GEM. The best white variety for edging ..... 5

MIXED TRAILING VARIETIES ..... 5

CARDINALIS. Long spikes, bright scarlet flowers. Hardy perennial ..... 10

MIXED HYBRIDS. Hardy perennial ..... 10



LOPHOSPERMUM.

## LOPHOSPERMUM.

One of the most beautiful climbing annuals. Graceful flowers of large size, resembling foxgloves in shape, and of a rich rose color. The foliage is of velvety texture.

SCANDENS. Rose ..... 10

## LOVE-LIES-BLEEDING.

A hardy annual, three to four feet high, with pendant spikes of blood-red flowers ..... 5

## LOVE-IN-A-MIST.

A curious, hardy annual about one foot high, with finely cut leaves and singular flowers.

MIXED ..... 5

## LUPINS.

Showy, hardy perennials, two to three feet high, producing tall spikes of attractive flowers.

FINE MIXED ..... 5

## MALOPE.

Per Pkt.

Handsome, half-hardy annual, about two feet high. Set eighteen inches apart. Well adapted to mixed borders.

FINE MIXED ..... 5

## MARVEL OF PERU.

The old and well-known four o'clock. A beautiful plant, with flowers of various colors, making a fine summer hedge when set one foot apart. Grows two feet high.

FINE MIXED ..... 5

## MARIGOLD.

Extremely showy, half-hardy annual, one to two feet high, well adapted to garden culture, blooming profusely through the season. Set one foot apart.

AFRICAN. Double mixed ..... 5

FRENCH. Double mixed; all colors ..... 5

NANA PULCHRA. Very dwarf, double, striped ..... 5

ORANGE. Double ..... 5



MARIGOLD.

## MAURANDIA.

An elegant, half-hardy, climbing perennial, well adapted to the conservatory or trellis work in the garden. Start early in pots, transplant when the weather becomes warm. Flowers the first year from the seed, and continues in bloom through the season.

BARCLAYANA. Rich violet flowers ..... 10

SCARLET ..... 10

PURPLE ..... 10

WHITE ..... 10

FINE MIXED ..... 10

MORNING GLORY. (See *Convolvulus*.)

## MOURNING BRIDE.

A class of very pretty, hardy annuals, from one to two feet high, suitable for bedding or bouquets.

PURPLE ..... 5

RED ..... 5

WHITE ..... 5

FINEST MIXED ..... 5



## MIGNONETTE.

A well-known, hardy annual, universally grown and esteemed for its delicious fragrance. If well thinned out, the plants will grow stronger and produce larger spikes of bloom.

## Mignonette, Sweet.

Large-flowered variety, very fragrant. Per ounce, 15c. 5

## Dwarf, Compact.

A very desirable variety, distinct in character, forming a dwarf, dense bush ..... 5

## Large Flowered, Pyramidal.

Greatly superior to the old variety of pyramidal growth and much larger flowers ..... 5

## Machet.

The finest variety for pot culture; sweet-scented, red flowers ..... 5

## Parson's White.

Flowers nearly white; a desirable variety ..... 5

## Pyramidal Bouquet.

A variety of dwarf pyramidal growth and large spikes of reddish flowers ..... 5

## Allen's Defiance.

Spikes of immense size; deliciously fragrant ..... 10

**MIMULUS.**

Per Pkt.

Handsome, profuse-blooming plants, with flowers of singular form and brilliant colors, fine for greenhouse or shady situations. Half-hardy perennials, blooming from seed the first year.

FINE MIXED ..... 10

**MUSK PLANT.**

Much esteemed for the strong musk odor of its leaves. It has a yellow bloom ..... 10

**NEMOPHILA.**

Charming hardy, low annual, producing an abundance of extremely delicate and beautiful flowers. Very useful for bedding or for pot culture. Sow early in pots and transplant into a cool, rather moist, location.

IN SIGNIS. Clear, bright blue, white center ..... 5

FINEST MIXED ..... 5



NICOTIANA SANDERÆ.

**NICOTIANA.**

Deliciously fragrant flowers, very ornamental, of easy cultivation, excellent for cutting. Half-hardy annuals.

AFFINIS. White, very fragrant ..... 5

ATROPURPUREA GRANDIFLORA. Crimson; 4 ft. ..... 5

COLOSSEA. Reddish foliage; very handsome; 10 ft. ..... 10

SANDERÆ. Branching habit; 2 ft. Strikingly beautiful plants. Blossoms brilliant carmine-red: delicious fragrance. ..... 10

**NIEREMBERGIA GRACILIS.**

Profuse-blooming little plants, with white, lilac-shaped flowers; exceedingly valuable for small beds, edging and rustic baskets or vases. Half-hardy perennials ..... 10

**NOLANA.**

Very pretty trailing, hardy annuals; fine for rockwork, hanging baskets or for bedding. Select light, rich soil.

FINE MIXED ..... 5

**NASTURTIUM. (Tall.)**

One of the most popular flowers of the present time, and constantly growing in favor. Is a rapid climber, of easiest culture, bearing beautifully colored flowers in profusion until killed by frost. Hardy annual.

The "K. & W." Mixed Varieties, both Tall and Dwarf, cannot be surpassed for brilliancy and variety of color. The plants, for about three months in the year, produce a lavish profusion of bloom, even through the hottest weather, and a trial of them is sure to give great satisfaction.

COCCINEUM. Scarlet ..... 5

CRIMSON ..... 5

DUNNETT'S ORANGE ..... 5

EDUARD OTTO. Brownish lilac ..... 5

HEINEMANNI. Chocolate color ..... 5

PEARL. Whitish ..... 5

**NASTURTIUM—Continued.**

Per Pkt.

PRINCE HENRY. Yellow, marbled scarlet ..... 5

REGELIANUM. Purplish violet ..... 5

SELLINGHI. Yellow spotted ..... 5

SCHEUCRIANUM. Straw colored, spotted brown ..... 5

VESEVIUS. Salmon, dark-leaved ..... 5

VON MOLTKE. Dark rose ..... 5

YELLOW ..... 5

**"K. & W." Mixed Varieties.**

1 lb. 1/2 lb. 1/4 lb. 2 oz. 1 oz.  
\$1.00 .60 .35 .20 .10

COLLECTION OF 6 PKTS., 25

**NASTURTIUM LOBBIANUM.**

This class is remarkable for the intensely brilliant colors of its flowers, blooming most profusely, and is very useful for covering verandas, or for trellis and rustic work. Half-hardy annual.

MADAME GUNTER HYBRIDS. A French strain, noted for its fine colors ..... 5

MARGUERITE. Pale yellow, flushed blood red ..... 5

FINE MIXED ..... 5



NASTURTIUM.

**NASTURTIUM. (Dwarf.)**

The dwarf improved varieties of nasturtium are among the most useful and beautiful of garden favorites for bedding, massing or ribboning. Hardy annuals.

CLOTH OF GOLD. Golden yellow foliage, scarlet flowers ..... 5

CRYSTAL PALACE GEM. Sulphur, spotted with maroon ..... 5

EMPEROR OF INDIA. Very dwarf, with dark tinted foliage; flowers brilliant crimson ..... 5

KING THEODORE. Flowers very dark ..... 5

KING OF TOM THUMB. Flowers brilliant scarlet ..... 5

CRIMSON ..... 5

SCARLET ..... 5

YELLOW ..... 5

**"K. & W." Mixed Varieties.**

1 lb. 1/2 lb. 1/4 lb. 2 oz. 1 oz.  
\$1.00 .60 .35 .20 .10

COLLECTION OF 6 PKTS., 25

**OXALIS.**

Elegant flowering plants, particularly adapted for the greenhouse or parlor, where they bloom in mid-winter.

FINE MIXED VARIETIES ..... 10

**OENOTHERA. (Evening Primrose.)**

A half-hardy annual and perennial, about six inches high, bearing bright, showy flowers in white, pale yellow, rose, etc. Of the easiest culture.

MIXED ANNUAL SORTS ..... 5

MIXED PERENNIAL SORTS ..... 5

## SWEET PEAS.



## SWEET PEAS.

Sweet peas are among the most desirable hardy annuals grown, being exceedingly beautiful and highly ornamental, and will grow and blossom well in any good garden soil. Select an open, sunny location, and sow as early as the ground can be worked in the spring, to enable the vines to get a good strong growth before the warm weather comes. Prepare the ground by thoroughly working in a large quantity of well-rotted manure. Make a trench six inches deep; in this sow the seed and cover two inches. As soon as the plants begin to show through, fill in the trench. This will secure a deep planting without the bad effect of deep covering of the seed at first, and so enable the plant to bloom continually through the heat of the summer.

	Pkt.	Oz.
ADMIRATION. Brilliant red and white striped.....	5	10
AMERICA. Crimson scarlet, irregularly striped.....	5	10
APPLE BLOSSOM. Rosy pink, blending with white..	5	10
AURORA. Orange, rose and white striped.....	5	10
BLACK KNIGHT. Deep maroon .....	5	10
BLUSHING BEAUTY. Very beautiful, flesh pink.....	5	10
BLANCHE BURPEE. Pure white .....	5	10
BLANCHE FERRY. Extra early; standards carmine pink, wings almost pure white .....	5	10
BURPEE'S EARLIEST WHITE. Extremely early; clear white.....	5	10
CAPTAIN OF THE BLUES. Blue and purple .....	5	10
CAPTIVATION. A beautiful light claret.....	5	10
COCCINEA. Cherry red .....	5	10
COQUETTE. Primrose and very light purple.....	5	10
COUNTESS OF CADOGAN. Lilac and blue.....	5	10
COUNTESS OF LATHOM. Delicate cream pink.....	5	10
COUNTESS OF RADNOR. Pale lavender, lovely flower	5	10

	Pkt.	Oz.
COUNTESS SPENCEE. Giant flowering; silvery white, suffused with soft, rosy pink .....	10	20
DAINTY. Crystal white, with pink edge .....	5	10
DOROTHY TENNANT. Rose purple.....	5	10
DUKE OF CLARENCE. A brilliant, dark claret.....	5	10
DUKE OF SUTHERLAND. Dark purple and violet....	5	10
DUKE OF WESTMINSTER. Deep purple .....	5	10
EARLIEST OF ALL. Rose and white; fine for forcing	5	10
EMILY ECKFORD. Rose-lilac and blue .....	5	10
EMILY HENDERSON. Large white .....	5	10
FASCINATION. Tints of blue and lilac.....	5	10
FIREFLY. Bright red.....	5	10
GEORGE GORDON. Reddish maroon .....	5	10
GLADYS UNWIN. Large light pink .....	5	10
GOLDEN ROSE. Light primrose and rosy pink .....	5	10
GORGEIOUS. Scarlet, orange and rose .....	5	10
GRAY FRIAR. Purple shadings on white ground....	5	10
HELEN LEWIS. Giant flowering; orange pink...	10	20
HELEN PIERCE. Blue mottled on white .....	5	10
HENRY ECKFORD. Large flowering; orange scarlet.	5	10
HON. F. BOUVERIE. Deep pink, shading to light pink.....	5	10
HON. MRS. E. KENYON. Large primrose yellow....	5	10
JANET SCOTT. Soft rosy pink and buff.....	5	10
JOHN INGMAN. Giant flowering; magenta rose..	10	20
KATHERINE TRACY. Brilliant pink; large flowering	5	10
KING EDWARD VII. Bright red .....	5	10
LADY GRISEL HAMILTON. Pale lavender.....	5	10
LADY MARY CURRIE. Salmon-pink and carmine ...	5	10
LADY NINA BALFOUR. Mauve and lavender .....	5	10
LADY PENZANCE. Delicate rose.....	5	10
LORD ROSEBERRY. Magenta rose.....	5	10
LOTTIE ECKFORD. White, blended with blue lilac...	5	10
LOTTIE HUTCHINS. Light pink and primrose, striped	5	10
LOVELY. Deep pink, shading to light pink.....	5	10
MAJESTIC. Deep rose crimson .....	5	10
MARS. Bright fiery crimson .....	5	10
MISS WILLMOTT. Large orange pink .....	5	10
MODESTY. White with pink edge.....	5	10
MONARCH. Bronze crimson and blue.....	5	10
MONT. BLANC. Early white; fine for forcing.....	5	10
MRS. DUGDALE. Crimson rose.....	5	10
MRS. ECKFORD. White, shaded with primrose.....	5	10
NAVY BLUE. Indigo blue and violet.....	5	10
ORIENTAL. Cream, heavily veined with salmon....	5	10
OTHELLO. Dark, glossy maroon .....	5	10
PAINTED LADY. Rosy crimson and blush white....	5	10
PHYLLIS UNWIN. Bright pink.....	5	10
PRIMA DONNA. Lovely shade of soft pink.....	5	10
PRINCE EDWARD OF YORK. Scarlet and crimson...	5	10
PRINCE OF WALES. Bright rose and crimson .....	5	10
QUEEN ALEXANDRA. Scarlet .....	5	10
QUEEN VICTORIA. Soft primrose yellow.....	5	10
RAMONA. Cream white, splashed with pale pink....	5	10
ROYAL ROSE. Crimson pink, shaded light pink....	5	10
SADIE BURPEE. Pure pearly white .....	5	10
SALOPIAN. Deep crimson and orange scarlet.....	5	10
SENSATION. Rosy cream, with white wings.....	5	10
SHAZADA. Dark maroon and violet.....	5	10
STELLA MORSE. Deep cream, with blush-pink edge.	5	10
STANLEY. Deep maroon .....	5	10
SYBIL ECKFORD. Buff and pink .....	5	10
VENUS. Salmon-buff and rosy pink .....	5	10

"K. & W." CHOICE MIXED. This splendid assortment is a mixture of the finest varieties produced, the flowers being of the largest sorts, and so combined as to give the most delightful harmony of colors.

1 lb.	1/2 lb.	1/4 lb.	Oz.	Pkt.
.50	.30	.20	.10	.05

PRICES FOR ANY OF THE ABOVE FIVE-CENT PACKAGES: 6 pkts. for 25c.; 12 pkts. for 40c.; collection of 75 pkts., \$2.25.

## SWEET PEAS—Continued.

NEW BUSH SWEET PEAS. Grow in perfect bush form, sixteen to eighteen inches high, producing flowers of large size.....

Pkt. Oz.  
5 10

## EVERLASTING SWEET PEAS.

FINE MIXED.....

5 10



## PANSY.

Per Pkt.

A well-known and universal favorite. Prefers a moist, shady situation; cover during the winter months. Seed sown in August or September, kept in a cold frame through the winter and planted out in the spring, will blossom the whole season. Hardy perennial.

CARTER'S PRIZE. Extra choice strain; very large flowers and choice colors..... 15

GIANT FIVE-SPOTTED. Enormous flowers of perfect symmetry; beautifully blotched with the richest deep velvety plum-crimson, bordered with white and various colors ... 15

CARTER'S PEACOCK. Unique flowers of marvelous beauty, the upper petals being of a beautiful ultra-marine blue, resembling in shade the peacock feather..... 10

GIANT STRIPED. The perfection of all the striped varieties. 15

BUGNOT. A French variety, of large size, beautiful colors, handsome broad blotches, finely penciled with stripes of delicate hue..... 15

KING OF THE BLACKS. Velvety jet black..... 10

ODIER. Finest blotched..... 10

BLUE. Beautiful light blue..... 10

YELLOW. Pure golden yellow..... 10

PURPLE. Dark, rich purple..... 10

WHITE. Pure white; dark eye..... 10

"K. & W." EXTRA CHOICE MIXED. Superb mixture of finest large flowered varieties..... 10

FINE MIXED..... 5

## PASSION FLOWER.

A splendid class of climbers, with curious flowers produced in great profusion; fine for conservatory or will answer for the garden, flowering freely during the autumn.

FINE MIXED..... 10

## PERILLA NANKINENSIS.

An annual, growing from two to two and one-half feet; stems branching well, covered with an ample foliage of a dark purple, almost black..... 5



## PETUNIA.

Per Pkt.

Favorite, hardy annuals, succeeding well in any rich soil. For the brilliancy and variety of their colors, their abundance of flowers and the long duration of their blooming period, they are indispensable in any garden.

DOUBLE FRINGED. Extremely double, edges finely fringed, petals fluted and crinkled, unmatched by crumpled velvet, which the flowers resemble. 25

SINGLE FRINGED. Choicest fringed sorts..... 15

GRANDIFLORA HYBRIDA. Fine, large flowers, handsomely striped and blotched. Single mixed..... 10

CALIFORNIA GIANTS. A strain of incomparable beauty, size and luxuriance. The flowers are exquisitely ruffled or fringed on the edges, and are enormous. 25

CARTER'S EMPRESS. Crimson shaded, with lovely penciled throat. Blossoms of grand size and form..... 15

CLEMATIS FLOWERED. Resembling in form the well-known Clematis Jackmanni; dark and light blue. 15

WHITE. Single, large, pure white..... 5

FINE MIXED. Single varieties..... 5

## PHLOX DRUMMONDI.

The flowers are of extreme beauty, and are greatly admired by all. Their long duration in bloom, combined with their almost unequalled richness of color, make them invaluable in the general flower garden. Hardy annuals.

ALBA. Pure white..... 5

ALBA OCCULATA. Pure white, with purple eye..... 5

ATROPURPUREA. Purple..... 5

COCCINEA. Pure deep scarlet. 5

FINEST MIXED. Ounce \$1.00. 5

HARDY PERENNIAL. Fine mixed varieties..... 10



## PHLOX.

## PINK. (Dianthus.)

One of the most popular flowers in cultivation, producing a great variety of brilliant colors and profusion of bloom.

CARNATION. A magnificent class of popular flowers, very fragrant, and of rich and beautiful colors. Hardy perennial. 10

HEDDEWIGI. Flowers very large, and of rich and brilliant color. Hardy annual... 10

CHINESE. Splendid double mixed..... 5

CARNATION "MARGUERITE." Very early, and when sown in the spring will bloom in July or August and continue until frost, or may be potted to bloom during the winter in the house. Many of the flowers are double, and are finely fringed and fragrant.

WHITE. Large, perfect flowers..... 10

YELLOW. Clear, soft yellow..... 10

GIANT MIXED. Extra large, flowering profusely, in brightest colors..... 10



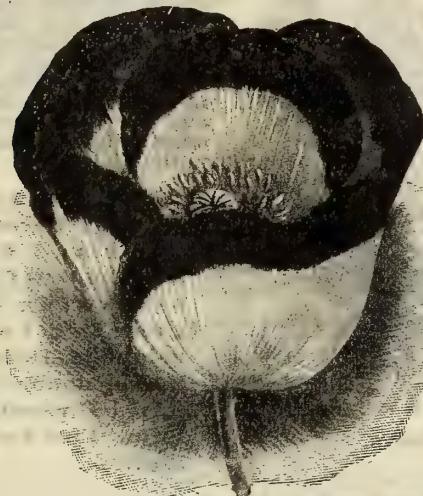
## HEDDEWIGI PINK.

**POLYANTHUS.**

Per Pkt.

Showy and profuse-flowering, hardy perennial, about one foot high, blooming in June and July.

**FINEST MIXED** ..... 10

**POPPY.**

ADMIRAL POPPY.

**Brilliant and showy, hardy annual, growing freely in any garden soil. 2 ft.**

**ADMIRAL.** Single peony-flowered variety. Glistening pure white, with scarlet band around the top; very handsome. 10

**CARDINAL.** Dark foliage, deeply cut; very double flowers, color vivid scarlet on white ground ..... 5

**ICELAND.** The colors range from pure white and yellow to the deepest orange scarlet. Hardy perennial, blooming the first year from seed. 5

**MIKADO.** Double white, fringed flowers, purple margins ..... 5

**ORIENTALE.** Deep crimson flowers with black blotch; 3 ft. 10

**PEACOCK.** Cup-shaped, crimson blossoms, with ring of black at the base of the petals; equally good for pots or borders 10



SHIRLEY POPPY.

**SHIRLEY.** Beautiful strain of single mixed poppies; bright, delicate colors; fine for cutting ..... 5

**TULIP.** Grows twelve to fourteen inches high, and produces well above the foliage fifty to sixty large flowers of the most brilliant scarlet ..... 5

**WHITE SWAN.** The acme of perfection in double poppies. The profusely produced blossoms are perfectly formed, and the purity of their color is beyond reproach ..... 10

**DOUBLE SCARLET** ..... 5

**FINE DOUBLE MIXED** ..... 5

**PORTULACA.**

Per Pkt.

Very popular, low-growing, hardy annuals, making a most brilliant display in the garden, and very suitable for borders or edgings. Sow early in warm, light, rich soil and thin plants to four inches.

**SINGLE CRIMSON** ..... 5

**SINGLE SCARLET** ..... 5

**SINGLE WHITE** ..... 5

**SINGLE YELLOW** ..... 5

**SINGLE, ALL COLORS MIXED** ..... 5

**DOUBLE FINEST MIXED** ..... 10

**PRIMULA. (Chinese Primrose.)**

These are beautiful and desirable plants for the parlor and greenhouse, and produce a constant succession of their charming flowers all through the winter and spring. The seeds may be sown at any time from January to July, in pots, using a light soil.

**SINENSIS.** White fringed ..... 25

**SINENSIS.** Crimson ..... 25

**EXTRA FINE MIXED** ..... 25

**DOUBLE EXTRA MIXED** ..... 50

**PRINCE'S FEATHER.**

Ornamental plants, with elegant plumes of rich colored flowers.

**LARGE FLOWEDED.** Crimson; 2 ft ..... 5

**RHODANTHE.**

A well-known everlasting; valuable for the decoration of the conservatory and flower garden; fine for bedding or ribboning. The flowers, if gathered when young, make valuable winter bouquets; succeed best in a light, rich soil and a warm, sheltered situation. Half-hardy annual; 1½ feet.

**FINE MIXED** ..... 10



RICINUS.

## RICINUS.

## (Castor Bean.)

Per Pkt.

Plants with very ornamental foliage and showy fruit and quite a tropical appearance. With other ornamental-leaved plants, they make a most attractive bed on the lawn, and are also desirable when grown as single specimens. Half-hardy annuals.

**BARBONENSIS ARBOREUS.** Beautiful, large green foliage; 15 ft. 5

**CAMBODGENSIS.** Dark foliage; black stem; 9 ft. 5

**MIXED VARIETIES** ..... 5

**SANGUINEUS.** Scarlet fruited; 10 ft. 5

**ZANZIBARIENSIS.** Immense, dark green foliage; 12 ft. 5

**MIXED VARIETIES** ..... 5

## ROSE CAMPION.

The rose campion is perfectly hardy and very easily raised from seed. The flowers are produced on long stems, blooming freely throughout the season. Hardy perennials.

**FINE MIXED** ..... 5

## RUDBECKIA. (Cone Flower.)

Showy, hardy perennial, suitable for borders or clumps among shrubs.

**AMPLEXICAULIS.** Golden yellow; 3 ft. 5

## SALPIGLOSSIS.

Very beautiful, rich, half-hardy annuals, one and one-half feet high. Start early in the hot-bed and transplant to light, warm, rich soil. Blooms from July to September.

**FINE MIXED** ..... 10



SALPIGLOSSIS.

## SALVIA.

Very ornamental, producing tall spikes of brilliant flowers. Start early in hot-beds and transplant two feet apart. Half-hardy annual.

**SPLENDENS.** Early brilliant scarlet flowers. 10

**GLORY OF STUTTGART.** Brilliant scarlet, large bouquet. 10

**PATENS.** Bright blue. 10

**FINE MIXED** ..... 10



SALVIA.

## SCHIZANTHUS.

Tender annual, one to one and one-half feet high, blooming from August to October. Fine for pot culture.

**FINE MIXED** ..... 5

## SENSITIVE PLANT.

A pretty, curious annual, being so sensitive that the leaves close together at the slightest touch. 5

## SMILAX.

Per Pkt.

A beautiful winter climbing plant, adapted to the conservatory. Nothing can excel this plant in beauty of foliage and orange fragrance of the flower. Extensively used for bouquets and floral decorations of every description. 5

## STOCKS.



STOCKS.

Half-hardy annual, producing splendid spikes of very rich and beautiful flowers of delightful fragrance. For early flowering sow early in the spring, in pots or in the hot-bed, and transplant one foot apart. Blooms from June until October.

**PRINCESS ALICE**  
(White Perpetual),  
"Cut and Come Again." Of fine branching habit, growing to the height of 18 inches. Large, double flowers, of rosette-like form. Fine for forcing. 10

"CUT AND COME AGAIN." Finest mixed. 10

**BEAUTY OF NICE.** Handsome winter flowering stock of quick growth, with flowers of large size and very double. Color, daybreak pink. Flowers in from twelve to fifteen weeks from seed-sowing. 10

**QUEEN ALEXANDRA.** Same type as Beauty of Nice; flowers delicate rosy lilac, of great beauty, and of exceptionally high value for cut bloom, market and bouquet work. The percentage of double flowering plants is very large. 10

**SNOWFLAKE.** A dwarf variety, with large, double snow-white flowers; fine for pot culture; very early. 10

**WHITE.** Ten weeks, double. 10

**PURPLE.** Ten weeks, double. 10

**SCARLET.** Ten weeks, double. 10

**MIXED.** Ten weeks, double. 10

## SUNFLOWER.

Well-known, showy plants; remarkable for their rapid and stately growth and the large size and brilliancy of their flowers.

**CALIFORNIA.** Double, bright yellow flowers. 5

**MAMMOTH RUSSIAN.** Very large double flowers. 5

**MINIATURE.** Covered with hundreds of brightest orange, small, single flowers; of pyramidal growth, with bright, neat foliage. 5

## SPHENOGYNE.

A very showy, free-blooming plant, with yellow flowers. Very effective for beds or mixed borders. Hardy annual. 5

## SWEET ROCKET.

Fine early spring flowering plant, very fragrant, growing in any soil. About eighteen inches in height.

**FINE MIXED** ..... 5

## SWEET SULTAN.

Showy, hardy annual, one or two feet high, succeeding well in any soil.

**FINE MIXED** ..... 5



SWEET WILLIAM.

## SWEET WILLIAM.

Per Pkt.

A well-known, showy and beautiful hardy perennial, about one foot high, making a most splendid appearance in May and June.

HUNT'S PERFECTION.  
Mixed variety, large, bright-colored flowers .. 5

A half-hardy perennial, much resembling the common red clover, and valuable for its fragrance ..... 5

## SWEET CLOVER.

A beautiful, half-hardy annual, with small, tassel-like flowers, blooming profusely from July to October. 5

SCARLET..... 5

## THUNBERGIA.

Very ornamental, trailing, half-hardy annual, admirably adapted for trellis or rustic work, or for the conservatory.

FINE MIXED ..... 10

VENUS LOOKING GLASS.  
Very pretty, hardy annual. Succeeds well in any soil. Grows about one foot high, and is well adapted to borders or edgings. 5

FINE MIXED ..... 5

## VERBENA.

Well-known and universally popular bedding plant, blooming all summer. Plants grown from seed are more healthy and make larger and harder plants than those from cuttings. If sown in spring will flower quite early. Half-hardy perennial.

CANDIDISSIMA. Pure white ..... 10

SCARLET DEFIANCE. Brightest scarlet.... 10

MAMMOTH FINEST MIXED..... 10

FINE MIXED..... 5

LEMON VERBENA. Lemon-scented foliage ..... 10



VERBENA.

VIOLA ODORATA. (Sweet Violet.)  
A charming little perennial, highly prized on account of its delicious fragrance. Succeeds best in a sheltered location ..... 10

30-5c. Pkts., or 15-10c. Pkts.

*The above may be selected by the purchaser from any varieties found in our Catalogue, and will be sent free by mail, on receipt of price.*

## VIRGINIA STOCK.

Per Pkt.

A pretty, hardy annual, adapted for growing in small beds or for edgings.

RED AND WHITE MIXED..... 5

## VISCARIA.

Very pretty, profuse-flowering, half-hardy annual, producing a fine effect in beds or mixed borders, and growing readily in any soil.

FINE MIXED..... 5

## WALLFLOWER.

Very fragrant and ornamental, half-hardy perennial, suitable for background and amongst shrubbery.

FINE MIXED..... 5

## WHITLAVIA.

Charming, hardy annual, with delicate foliage and clusters of beautiful bell-shaped flowers; fine for ribboning or mixed borders; 1 ft.

FINE MIXED..... 5

## WILD CUCUMBER VINE.

A very rapid-growing climber, which reaches a height of 20 feet in one season. It is covered with clusters of white, sweet-scented flowers, followed by an abundance of ornamental prickly seed pods. It will quickly cover a trellis, pillar, or an unsightly building, and will reproduce itself from self-sown seed every year. Soak seed over night in warm water. Hardy annual..... 5

## ZEA. (Japanese Maize.)

An ornamental foliage plant. Grows to the height of four or five feet, furnished from the bottom with long, wavy leaves, broadly ribboned with alternate stripes of white and green.

STRIPED..... 5

## ZINNIA.

A most splendid class of hardy annuals, and one of the finest summer flowering plants. The flowers are large, handsome and in a very great variety of colors, blooming throughout the whole season. Start early in pots or under glass and transplant one foot apart.

HAAGEANA. Double, orange; 1 ft..... 5

NEW ZEBRA. Double dwarf; finest mixed..... 10

ELEGANS. Single; fine mixed ..... 5

DOUBLE ZINNIA. DOUBLE GIANT MIXED ..... 5

## WILD GARDEN SEED.

A mixture of over one hundred varieties of flower seeds..... 5

**SPECIAL \$1.00 OFFER  
IN FLOWER AND VEGETABLE SEEDS  
..CONSISTING OF..**

30-5c. Pkts., or 15-10c. Pkts.

# A GENERAL LIST OF VEGETABLE SEEDS

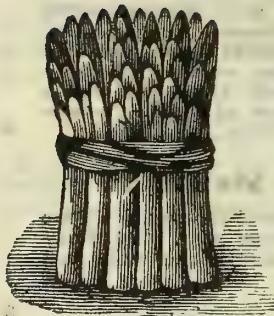
We forward seeds by **Mail** or **Express** as the purchaser may wish. When ordered by mail, add postage for beans and peas at the rate of 15 cents per quart, and for corn 12 cents per quart to Catalogue prices.

**Half Pounds furnished at Pound Rates.**

**Half Bushels furnished at Bushel Rates.**

**Bags charged at cost.**

## ASPARAGUS.



Sow early in May, thinly, in rows one inch deep and two feet apart. The next season plant in drills two inches deep and two feet apart, spreading the roots well out in ground thoroughly manured and trenched, at least two feet deep.

	Pkt.	Oz.	1 lb.	Lb.
<b>Palmetto.</b> Early, prolific and uniformly of large growth.....	.05	.10	.15	.50
<b>Conover's Colossal.</b> A well-known standard variety.....	.05	.10	.15	.40
<b>Conover's Colossal Roots.</b> Two years old, per 100, \$1.50.				

In consequence of the great bulk of asparagus roots we cannot send them by mail.

## ENGLISH BEANS.

Plant as early in the spring as the ground can be worked, from two to four inches apart, in drills from twenty-four to thirty inches apart. As soon as the plants are in full blossom, and the lower pods begin to set, pinch off the tops; this will insure the filling of the pods and hasten the maturity of the seed.

*Beans ordered by mail are subject to an extra charge of 15 cents per quart for postage. Pints furnished at quart rates.*

	Pkt.	Qt.	Pk.
<b>Broad Windsor.</b> The best sort; very hardy.....		.10	.30 \$1.75

## BEANS—Dwarf or Bush.

A succession of sowings can be made from the first week in May until August. Plant in drills about two inches deep, and from eighteen inches to two feet apart, according to the richness of the soil; the poorer the soil the closer they can be planted; the plants should be about three inches apart.

*One quart is sufficient for one hundred feet of drill; one and one-half bushels for one acre in drills.*

	Qt.	Pk.	Bu.
<b>Burpee's Bush Lima.</b> The only bush form of the true large Lima bean. The bushes grow eighteen to twenty inches high. Is an immense yielder of handsome, large pods, well filled with very large beans, which are identical in size and luscious flavor to the well-known large pole Lima .....	.35	\$2.00	\$6.75
<b>Burpee's Stringless Green Pod.</b> Very early. Pods four and a half to five and a half inches long, nearly round, slightly curved, light green in color, flesh tender and of the best quality .....	.30	1.75	6.00
<b>Low's Champion.</b> Early, hardy, thrifty and enormously productive; combines extreme tenderness and delicious flavor, being absolutely without strings to the pods, and excels many other varieties as a snap or string bean. As a shell bean it has but few equals, and is of splendid flavor when cooked dry .....	.20	1.25	4.50
<b>Early Long Yellow Six Weeks.</b> Hardy and prolific.....	.20	1.25	4.50
<b>Early Valentine.</b> Round pods, early, good flavor.....	.25	1.50	5.00
<b>Early Mohawk.</b> Very productive and of good quality .....	.20	1.25	4.50
<b>Dwarf Horticultural.</b> A fine early shell bean.....	.25	1.50	5.25
<b>Milliken's Wax.</b> An extra early variety. The bushes grow from twelve to sixteen inches high, producing golden yellow pods that are entirely stringless and very productive .....	.25	1.50	5.50
<b>Wardwell's Kidney Wax.</b> Hardy and vigorous vine, producing a heavy crop of handsome yellow pods, stringless and brittle. Beans large, kidney shaped.....	.25	1.50	5.50

**BEANS—Continued.**

	Qt.	Pk.	Bu.
<b>Early Golden-Eyed Wax.</b> Hardy and prolific, with flat, yellow pods.....	.25	\$1.50	\$5.50
<b>Davis' White Wax.</b> Pods and seeds white and of rich flavor.....	.25	1.50	5.50
<b>Golden Wax.</b> Very early; round, golden pods .....	.25	1.50	5.50
<b>Black Wax.</b> Pods yellow; a superior snap bean.....	.25	1.50	5.50
<b>Currie's Rust-Proof Wax.</b> Pods long, flat, tender and of fine quality.....	.25	1.50	5.50
<b>Snowflake Pea.</b> A decided improvement on the common pea bean. Productive and very early.....	.20	1.25	4.00
<b>Sulphur Pea.</b> Larger than the white pea bean; golden yellow color; early and of fine quality.....	.20	1.25	4.00
<b>Yellow Eye.</b> Very prolific; fine for baking.....	.15	1.00	3.50



KENTUCKY WONDER.

**BEANS—Pole or Running.**

The planting of the various sorts of pole beans should be delayed a week or more after the first planting of the early dwarf sorts. They succeed best in sandy loam, which should be liberally enriched with short manure in the hills, which are formed, according to the variety, from three to four feet apart; from five to six seeds are planted in each hill, about two inches deep.

*One quart will plant one hundred and fifty hills; ten to twelve quarts to the acre.*

**KING HORTICULTURAL.**

An early, robust grower, the pods being large, stringless, and bright carmine. Tender and of delicious flavor.

Qt., 30c.; Pk., \$1.85; Bu., \$6.75

<b>London Horticultural.</b> An old favorite. Very productive and excellent as a snap or shell bean.....	.25	\$1.75	\$6.50
<b>Red Cranberry.</b> Almost stringless; one of the very best of string beans.....	.25	1.75	6.50
<b>Lazy Wife's.</b> Abundantly productive, and of excellent flavor, with long, green, fleshy and stringless pods....	.25	1.75	6.50
<b>Kentucky Wonder.</b> Very productive, and of fine quality. Entirely stringless pods, of a silvery green color.	.25	1.75	6.50
<b>Indian Chief, or Black Wax.</b> A very tender snap bean; yellow pods.....	.30	1.85	6.75
<b>White Case Knife.</b> Good green-podded variety .....	.30	1.85	6.75
<b>Large Lima.</b> A large, late variety of excellent flavor..	.30	1.85	6.75
<b>Small Lima.</b> Earlier and hardier than the preceding ..	.30	1.85	6.75

**FLOWERING BEANS.**

Valuable for use on trellises and arbors, being highly ornamental and free climbers; plants are of strong, quick growth, bearing large sprays of handsome flowers.

	Pkt.	Qt.
<b>BUTTERFLY.</b> Beautiful, large, snow-white wings, with salmon-rose standard.....	.10	
<b>Scarlet Runner.</b> Very ornamental, bright scarlet flowers .....	.10	.30
<b>White Runner.</b> Similar to above, flowers being white.....	.10	.30



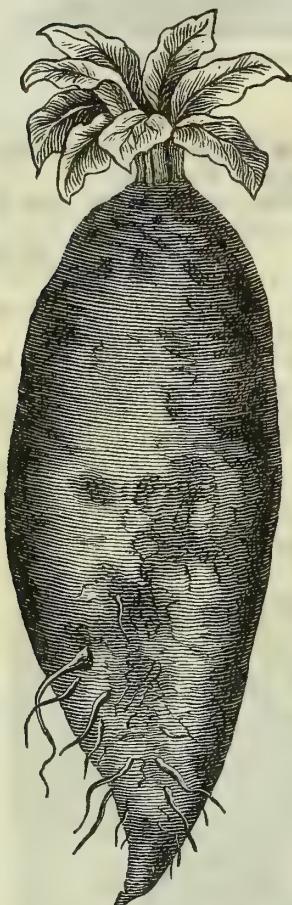
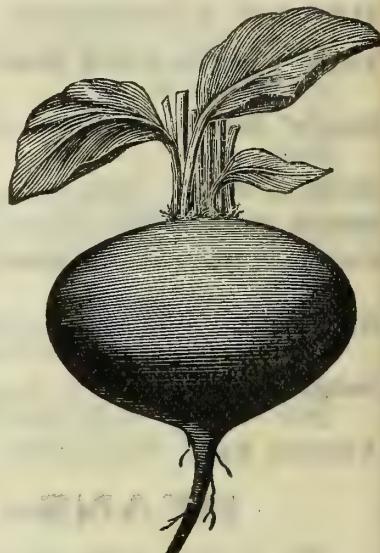
BUTTERFLY BEAN

## BEET.

The best results are obtained on a deep, rich, sandy loam. For early use sow as soon as the ground will admit, in drills fourteen inches apart, and thin to four inches; for the main crop, sow the first week in May, and for winter use as late as June. The soil should be deeply manured and well cultivated. In lifting and storing the roots, care must be taken that they are not bruised.

One ounce to fifty feet of drill; six pounds to the acre.

	Pkt.	Oz.	1 lb.	Lb.
<b>Dirigo Extra Early.</b> A rich, blood-red beet of fine grain and flavor, earlier than the Egyptian or the Eclipse .....	.05	.10	.25	.75
<b>Egyptian Blood Turnip.</b> Very early and of rapid growth; color, deep crimson; of excellent quality... .	.05	.10	.20	.60
<b>Crosby's Egyptian.</b> An improved strain of the Egyptian beet.....	.05	.10	.25	.75
<b>Eclipse.</b> This variety is about as early as the Egyptian, but larger and of finer quality; color, dark crimson... .	.05	.10	.20	.60
<b>Edmand's Early Turnip.</b> A variety of handsome round shape. The skin is deep blood red in color, the flesh very dark and exceedingly sweet and tender in quality .....	.05	.10	.20	.60



ALLEN'S MAMMOTH  
LONG RED MANGEL  
WURZEL.

<b>Dewing's Blood Turnip.</b> Of fine form and flavor, and deep blood red; a desirable variety.....	.05	.10	.20	.60
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<b>Detroit Dark Red.</b> Similar in shape to the Dewing's, of dark red color, with small tops.....	.05	.10	.20	.60
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<b>Bassano.</b> Early flat variety, flesh light colored .....	.05	.10	.20	.50
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<b>Long Smooth Blood Red.</b> This is a long, smooth beet, growing to a good size; color, dark blood red.....	.05	.10	.20	.50
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<b>Swiss Chard.</b> Leaves used as greens; mid rib cooked and served as asparagus .....	.05	.10	.20	.50
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<i>Varieties grown for feeding stock. Sow in May or June—six pounds per acre.</i>	.05	.10	.20	.60
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<b>White French Sugar Beet.</b> Largely cultivated for feeding.....	.05	.12	.30	
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<b>Lane's Imperial Sugar Beet.</b> A greatly improved variety of the White French Sugar.....	.05	.15	.40	
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<b>Allen's Mammoth Long Red Mangel Wurzel.</b> A variety producing roots of mammoth size.....	.05	.15	.40	
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<b>Norbiton Giant Mangel Wurzel.</b> Extra fine long red; very large .....	.05	.15	.40	
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<b>Yellow Globe Mangel Wurzel.</b> Roots of large size and globular form; very productive.....	.05	.15	.40	
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<b>Carter's Warden Orange Globe Mangel Wurzel.</b> The very best globe-shaped variety in cultivation.....	.05	.15	.40	
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<b>Golden Tankard Mangel Wurzel.</b> Bright yellow; very productive.....	.05	.15	.40	
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## BROCCOLI.

Broccoli is nearly allied to the cauliflower, and may be regarded as a variety of that delicious vegetable. It is hardy and sure to head, but inferior in flavor.

**Purple Cape.** Heads greenish purple; a good variety.....

**White Cape.** Very white; sure to head; standard sort.....

Pkt. Oz. 1 lb.

.05 .30

.05 .30

Pkt. Oz. 1 lb.

.05 .50

.05 .50

Pkt. Oz. 1 lb.

.05 .50

## CABBAGE.

The cabbage is one of the most important vegetables, and some of its varieties are universally cultivated. The ground must be highly manured, deeply dug or ploughed, and thoroughly worked, to insure good, full-sized heads. A heavy, moist and fresh loam is the most suitable. The early sorts should be sown very early in the spring, in hot-beds, or later in the open ground. Eighteen inches by three feet apart is the common distance.

*One ounce will produce about 3,000 plants.*

Pkt. Oz.  $\frac{1}{2}$  lb. Lb.

**COLUMBIA.** The earliest and most compact of all large early cabbage. Is hardy and vigorous; produces splendid solid heads, of marketable size, and is recommended as the peer of all summer varieties,..... .10 .40 \$1.25 \$4.00

**Early Jersey Wakefield.** A standard early variety for home use or market..... .05 .20 .60 2.00

**Charleston Wakefield.** Resembles the Jersey Wakefield, heads larger and more uniform..... .05 .25 .75 \$2.50

**Henderson's Early Summer.** One of the earliest of large cabbages, coming in but a few days later than the Wakefield; heads of large size, very solid and compact..... .05 .20 .60 2.00

**Early Spring.** Short-stemmed, round, flat-headed, early variety. Solid and uniform in growth ..... .05 .20 .60 2.00

**Early Winningstadt.** An excellent sort; heads of large size..... .05 .20 .60 2.00

**All Seasons.** Larger than Henderson's Early Summer, nearly as early; very solid and sure heading..... .05 .20 .60 2.00

**Fottler's Improved Brunswick.** An excellent early Drumhead variety; produces a firm and solid head..... .05 .25 .75 \$2.50

**Premium Flat Dutch.** A standard late variety..... .05 .20 .60 2.00

**Stone-Mason Drumhead.** One of the best for a main crop..... .05 .20 .60 2.00

**STONE-MASON DRUMHEAD.** *Cape Elizabeth grown. A great improvement on the above, being absolutely reliable, and having a medium-sized, round, hard head. An excellent winter variety* ..... .10 .35 1.00 3.50

**Henderson's Succession.** An excellent second-early or late sort..... .05 .25 .75 2.50

**Marblehead Mammoth Drumhead.** The largest variety of Drumheads..... .05 .25 .75 2.50

**Danish Ball Head (Imported)** ..... .05 .30 .85 2.75

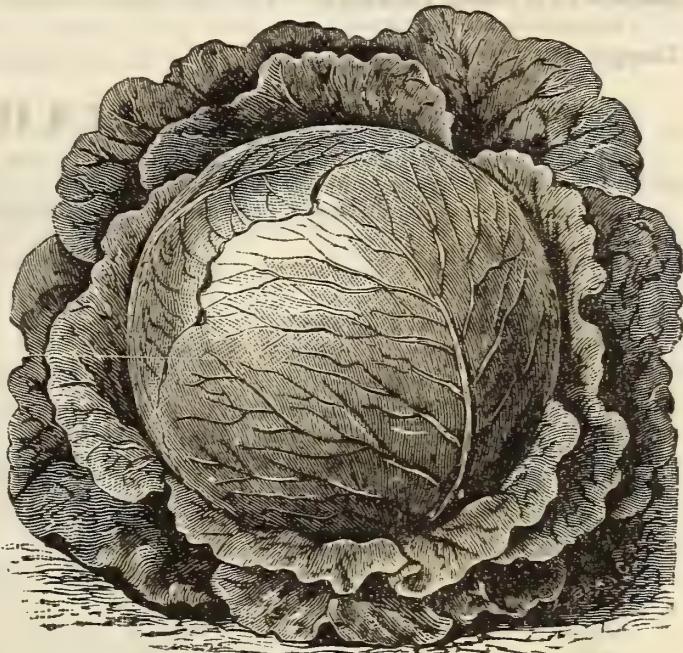
**DANISH BALL HEAD OR HOLLANDER.** *Cape Elizabeth grown. A valuable, perfectly round, solid, winter variety. Is a long keeper, and profitable for shipping, keeping long after other sorts have gone*.... .10 .40 1.25 4.00

**Improved American Savoy.** Very sweet and tender; good-sized, firm heads; very reliable and much esteemed for family use..... .05 .25 .75 2.50

**Mammoth Red Rock.** Used almost exclusively for pickling..... .05 .20 .60 2.00



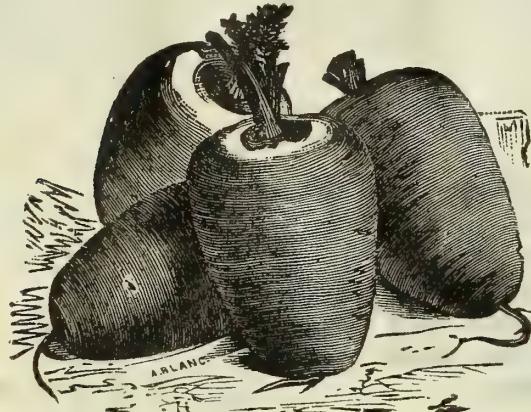
COLUMBIA CABBAGE.



DANISH BALL HEAD CABBAGE.

## CARROT.

Carrots require a very finely pulverized soil to grow them to perfection. A good, light and well-enriched sandy loam is the best for this crop. For field culture, sow in drills, three to three and one-half feet apart, and for table use sow the smaller varieties in rows sixteen to eighteen inches apart. For early crops, cover one-half an inch deep, and thin to six inches apart in the rows; for late, cover three-fourths of an inch deep, and thin to four inches.



OXHEART CARROT.

One ounce to one hundred feet of drill; three to four pounds to the acre.

	Pkt.	Oz.	1 lb.	Lb.
<b>Early French Forcing.</b> The earliest variety; valuable for forcing.....	.05	.10	.30	\$1.00
<b>Early Horn.</b> Early, fine grain, medium size; an excellent table sort.....	.05	.10	.30	1.00
<b>Oxheart.</b> Very thick and short, fine grained and sweet .....	.05	.10	.25	.75
<b>Chantenay.</b> A choice variety; longer than the Scarlet Horn, and a little broader at the top .....	.05	.10	.30	1.00
<b>Danvers' Half Long.</b> In form it is midway between the Long Orange and Short Horn. The root is of a rich, dark orange color, and grows very smooth. Very productive and keeps well .....	.05	.10	.25	.75
<b>Improved Long Orange.</b> The best late variety. Roots of large size, heavy cropper; an excellent keeper.....	.05	.10	.20	.65
<b>Large White Belgian.</b> Large, long-rooted variety; valuable for feeding.....	.05	.10	.20	.65

## CAULIFLOWER.

Any soil that will grow early cabbages will grow cauliflower, as their requirements are almost similar, but as the product is more valuable, extra manuring and preparation of the soil will be well repaid.

The seeds may be sown in the hot-bed in March or April, and transplanted to open ground about the first of May.

One ounce will produce about 3,000 plants.

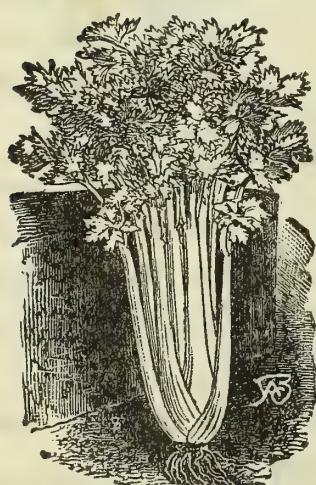
	Pkt.	Oz.
<b>Extra Early Dwarf Erfurt.</b> The earliest variety; large, compact heads, of fine quality.....	.15	\$2.00
<b>Henderson's Early Snowball.</b> One of the early sorts. Very reliable and grown largely for the market.....	.20	2.00
<b>THORBURN'S GILT EDGE.</b> Large, heavy sort; one of the best and surest of all the sorts now in cultivation.....	.20	2.25
<b>Carter's Dwarf Mammoth.</b> A hardy variety, of dwarf and compact habit, with a firm, white head; stands dry weather .....	.15	2.00
<b>Carter's Autumn Giant.</b> A large late variety.....	.10	.50

## CELERY.

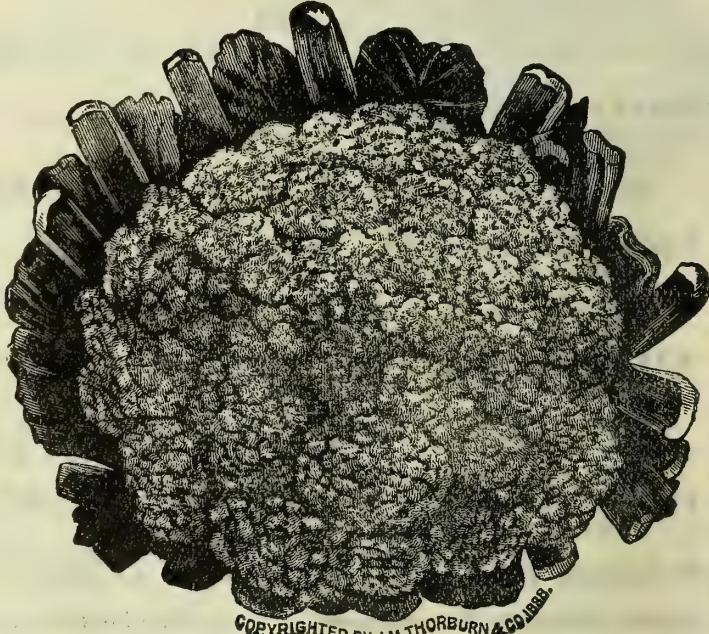
To have celery early it should be sown in a hot-bed, quite early in the spring, and when three inches high plant out in a well-prepared bed, which must be covered in frosty weather. For the principal crop sow early in the spring, very shallow in the seed-bed, and when the plants are about six inches high transplant them six inches apart into trenches for blanching. Dig the trenches four feet apart, a foot wide and ten inches deep. Fill in five or six inches of well-rotted manure, and mix thoroughly half a spade deep with the earth at the bottom. The tops of the plants should be shortened before they are set. Earth up to blanch three or four times during their growth, taking care that no earth falls in the center of the plant.

One ounce of seed produces about 4,000 plants.

	Pkt.	Oz.	1 lb.
<b>Boston Market.</b> A favorite variety, remarkable for its tender, crisp and succulent stems, and its peculiarly mild flavor; keeps well.....	.05	.10	.60
<b>Henderson's White Plume.</b> Crisp, solid and possessing a sweet, nutty flavor; requires very little labor in blanching. Very early and handsome.....	.05	.10	.60



GOLDEN SELF-BLANCHING CELERY.



THORBURN'S GILT-EDGE CAULIFLOWER.

COPYRIGHTED BY J.M. THORBURN & CO. 1886.

**CELERY—Continued.**

	Pkt.	Oz.	1 lb.	Lb.
<b>Pink Plume.</b> Similar to White Plume, except in color; of superior quality and a compact grower .....	.05	.20	.60	
<b>Golden Self-Blanching.</b> A fine, solid variety, of a beautiful waxy, golden color; very thick stalks of excellent flavor; growth close, compact and of medium height..	.05	.35	1.25	
<b>Giant Pascal.</b> An easily blanched variety, superior for late use .....	.05	.20	.60	
<b>Soup Celery.</b> Used for flavoring pickles, soups, etc .....	.05	.10	.30	

**CHERVIL.**

	Pkt.	Oz.	1 lb.
<b>Curled Chervil.</b> An aromatic sweet herb. The young leaves are used in soups and salads. Sow thinly in May, in drills half an inch deep, one foot apart .....	.05	.10	.25

**CHICORY.**

<b>Large Rooted.</b> Used to mix with, or as a substitute for coffee. Cultivation same as the carrot .....	.05	.10	.25
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**CORN—Sweet.**

The sweet or sugar varieties, being liable to rot in cold, wet ground, should not be planted before the middle of May, and for a succession continue planting every two weeks until July, in rich, well-manured ground, in hills three feet apart each way, covering about an inch, and thin out to three plants to a hill, or plant in rows four feet apart, and to stand eight inches apart in the rows. The field varieties should be planted four feet apart each way, leaving three plants to a hill.

One quart to two hundred hills; ten quarts to an acre.

Corn ordered by mail is subject to an extra charge of twelve cents per quart for postage. Pints furnished at quart rates.

	Pkt.	Qt.	Pk.	Bu.
<b>PEEP O'DAY.</b> Extremely early, very sweet, and one of the first to mature. Stalks from 3 1-2 to 4 1-2 feet in height, with from 2 to 5 ears each. Small, white cob, with rich, tender kernel .....	.10	.25	\$1.25	\$4.50
<b>Cory.</b> Very early, dwarf variety, desirable for private or market gardens .....	.05	.20	1.00	3.75

**White Cory.** Similar to the above, with white cob .....

.05 .20 1.00 3.75

**Burbank's Early.** As early as the Cory. Has a pure white cob, with a rich cream-white kernel; sweet and juicy.....

.05 .20 1.00 3.75

**Early Marblehead.** This resembles very closely the Cory, but is not quite as early.

.05 .20 1.00 3.75

**CROSBY'S EXTRA EARLY.** The best early sort, is sweet and of fine flavor. Very dwarf, with ears set low, averaging from twelve to sixteen rows. An excellent market variety, and largely grown for canning. The stock offered is from our own growing .....

.10 .25 1.50

**Early Crosby.** Similar to the above, but the stalks are taller and heavier, the ears being much larger; nearly ten days later..

.05 .20 1.00 3.75

**GOLDEN BANTAM.** A superior variety of a bright golden color; is very hardy and productive and is of a rich sugary flavor .....

.10 .25 1.50 5.00

**Mammoth Golden.** Similar to the above, but having longer and larger ear.....

.10 .30 1.75

**Stowell's Evergreen.** A late variety of excellent quality, remaining longer in the green state than any other kind.....

.05 .20 .90 3.00

**Potter's Excelsior.** Twelve-rowed, very sweet and tender.....

.05 .20 1.00 3.50

**Country Gentleman.** Medium early and productive .....

.05 .20 1.00 3.75

**Black Mexican.** Grain bluish-black, especially rich in sugar qualities.....

.05 .20 1.00 3.50



**CROSBY'S EXTRA EARLY SWEET CORN.**

## FIELD AND ENSILAGE CORN.

		Qt.	Pk.	Bu.
<b>Winn's Hybrid.</b>	A very fine field variety; safe to plant in this state; yields large crops..	.15	.75	\$2.50
<b>Longfellow.</b>	A fine field variety, having very long ears, small cob, and large kernel.....	.15	.65	2.25
<b>Early Yellow Canada.</b>	Well known, early, eight-rowed variety.....	.15	.65	2.25
<b>Northern White Flint.</b>	Does not need as strong land as the yellow varieties, but on good land will give a larger yield. Is an extra variety for a cold climate, and as it is a great drought resister will produce good crops even in a dry season. It is an eight-rowed variety with long white ears and is the earliest white corn grown .....	.15	.75	2.50
<b>Evergreen Fodder.</b>	Sweet corn for ensilage.....	.65	2.25	
<b>Red Cob Ensilage.</b>	A pure white corn. Is tender and juicy, has short joints, and grows to a great height, with an abundance of leaves.....	.40	1.35	
<b>Leaming.</b>	An early, very productive variety. One of the best for ensilage; profitable as a green fodder .....	.40	1.35	
<b>Early Sanford.</b>	Very early; ears white; excellent for fodder and ensilage .....	.50	1.75	

## CRESS OR PEPPERGRASS.

A well-known salad. Requires to be sown thickly and covered very slightly. Sow at frequent intervals to keep up a succession, as it soon runs to seed.

	Pkt.	Oz.	1 lb.
<b>Extra Curled.</b> Very fine; may be cut two or three times .....	.05	.10	.20
<b>Water Cress.</b> A hardy perennial aquatic plant, growing in water along the margins of streams .....	.10	.40	\$1.25

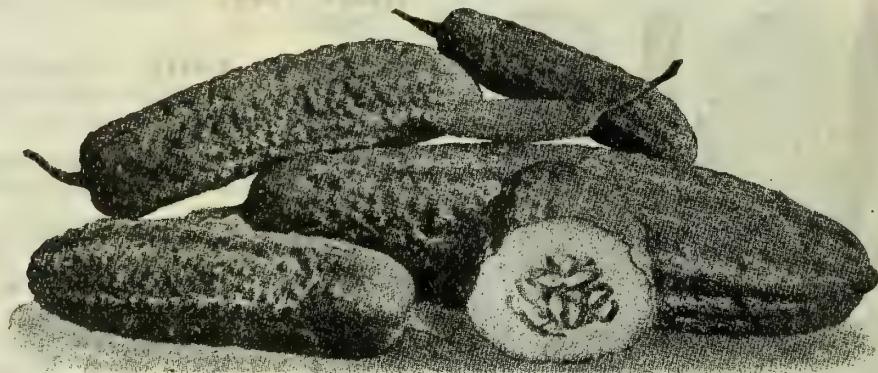
## CUCUMBER.

The cucumber is a tender annual, and therefore should not be planted or set out in the open air until there is a prospect of continued warm and pleasant weather. Cucumbers succeed best in warm, moist, rich, loamy ground. The hills should be four or five feet apart in each direction. When all danger from insects is passed, leave but three or four of the strongest plants in the hill.

One ounce to fifty hills.



IMPROVED WHITE SPINE CUCUMBER.



CUMBERLAND CUCUMBER.



LONG GREEN CUCUMBER.

	Pkt.	Oz.	1 lb.	Lb.
<b>Cumberland.</b> A variety of the Improved White Spine type. Is a splendid table sort, and excellent for pickling. Color, deep green, with white tip; flesh firm; very crisp and tender.....	.05	.10	.35	\$1.00
<b>Early Russian.</b> The earliest variety.....	.05	.10	.25	.75
<b>Early Frame.</b> An early standard variety, about five inches long	.05	.10	.25	.75
<b>Improved White Spine.</b> Superior for table use; very productive; medium size, straight and well formed; a favorite market variety .....	.05	.10	.25	.75
<b>Early Green Cluster.</b> Grows in clusters; early and productive .....	.05	.10	.25	.75
<b>Short Green.</b> Similar to Early Frame.....	.05	.10	.25	.75
<b>Long Green.</b> Long and crisp; a popular and reliable variety for pickling.....	.05	.10	.35	1.00
<b>Boston Pickling.</b> The finest variety to grow for pickles; yields large crops; short, straight and dark green .....	.05	.10	.25	.75
<b>West India Gherkin.</b> Small prickly variety; grown exclusively for pickling.....	.05	.15	.50	1.50

## CUCUMBER—Continued.



JAPANESE CLIMBING CUCUMBER.

	Pkt.	Oz.	1 lb.	Lb.
<b>Japanese Climbing.</b> Quick, strong growing vines, which may be trained upon a trellis or poles. Fruit from twelve to sixteen inches in length, skin dark green, flesh pure white, crisp and of fine flavor.....	.05	.10	.35	\$1.00
<b>Lemon.</b> A distinct type; nearly round, with the yellow and green markings and smooth skin of the Lemon, while the flesh is exceedingly tender, crisp and sweet.	.10	.15	.50	1.50

## DANDELION.

A hardy perennial plant, with broad, thick leaves, affording one of the earliest as well as one of the most healthful of spring greens. Sow as early as the weather will permit, in good, well-enriched soil, in rows twelve inches apart, covering seed one-fourth of an inch deep, the earth firmly pressed over the seed.

*One ounce to one hundred feet of drill.*



IMPROVED FRENCH THICK-LEAVED DANDELION.

<b>Improved French Thick-Leaved.</b> The best variety.....	.10	.45	\$1.50	\$5.50
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## EGG PLANT.

The egg plant will thrive well in any good garden soil. Sow in the hot-bed, and when two or three inches high prick out into pots, or rows two and one-half to three inches apart. When the weather will permit, transplant into good, rich soil, thirty inches apart each way.

Pkt. Oz.

<b>New York Improved Purple.</b> The leading market variety; very productive.....	.10	.30
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<b>Early Long Purple.</b> Hardy and productive.....	.10	.25
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<b>White.</b> Choice, for ornamental use.....	.10	.25
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## ENDIVE.

For early use, sow in May, scattering the seed thinly in drills ten inches apart, covering it lightly, and for a succession, every two or three weeks until mid-summer. The plants must be blanched before using, which is accomplished by gathering the large outer leaves to a point at the top, and tying them together.

Pkt. Oz.

<b>White Curled.</b> For early use .....	.05	.15
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<b>Green Curled.</b> Best for late crop .....	.05	.15
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## KALE.

Sow early in May in a prepared bed, covering the seed lightly. Transplant in June, and treat in the same manner as for cabbage.

Pkt. Oz. 1 lb.

<b>Green Curled Scotch.</b> A round dwarf variety, rarely exceeding eighteen inches in height, but spreading out under good cultivation to three feet in diameter.....	.05	.10	.30
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## KOHLRABI.

A vegetable intermediate between the cabbage and turnip. It is best cultivated by sowing the seeds in rows, in May, June and July, according to latitude.

<b>Early White.</b> Flesh white and tender; the best market sort.....	.05	.25	.60
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<b>Early Purple.</b> Differing from the above in color; being of a bluish purple .....	.05	.25	.60
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## LEEK.

The leek is very hardy and easily cultivated. It succeeds best in a light, well-enriched soil. Sow as early in the spring as practicable, in drills one inch deep, and one foot apart. When six or eight inches high, they may be transplanted in rows ten inches apart each way, as deep as possible, that the neck, being covered, may be blanched.

Pkt. Oz. 1 lb.

<b>London Broad Flag.</b> A large variety with broad leaves .....	.05	.15	.35	\$1.00
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## LETTUCE.

Lettuce thrives best in rich, moist ground. Sow the seeds in hot-beds in February or March, and transplant into a sheltered border with a southern exposure. For successive crops, sowing may be made in the open ground as early as spring opens, and continuing until July.

*One ounce to one hundred and twenty feet of drill.*

Pkt. Oz. 1 lb.

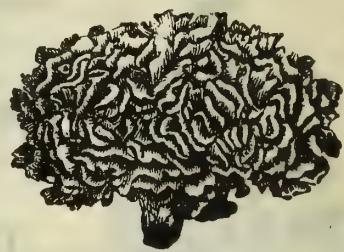
<b>Hittinger's Belmont Forcing.</b> Larger than the White-seeded Tennisball, nearly as early and of excellent quality; a choice strain for forcing.....	.10	.25	.75
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<b>Early Curled Silesia.</b> Fine for summer use.....	.05	.15	.40
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## LETTUCE—Continued.



VICTORIA CABBAGE LETTUCE.



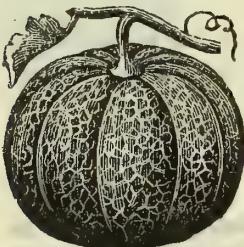
BOSTON CURLED LETTUCE.

	Pkt.	Oz.	1 lb.
<b>Victoria Cabbage.</b> Hardy and fine for early sowing.....	.05	.15	.40
<b>Black-Seeded Tennisball.</b> Popular for open-air culture; heads compact, crisp and tender .....	.05	.15	.40
<b>White-Seeded Tennisball.</b> A good early sort, used largely for forcing.....	.05	.15	.40
<b>Boston Curled.</b> A variety of great beauty and of very superior quality. Leaves beautifully curled; attractive on table.....	.05	.15	.40
<b>Defiance.</b> Large, solid and crisp; stands the summer heat .....	.05	.15	.40
<b>Hanson.</b> Heads very large, solid, tender, crisp and of fine flavor; color beautiful green outside and white within.....	.05	.15	.40
<b>Mignonette.</b> Small, compact, creamy-yellow heads, tinged outside with russet; of superior quality, sweet, crisp and tender, very early and hardy; excellent "all seasons" variety.	.05	.20	.65
<b>Golden Queen.</b> Medium sized; golden-yellow heads, tender and crisp; a fine early head variety for forcing or open ground culture.....	.05	.20	.65
<b>Salamander.</b> A fine summer lettuce. Is slow to run to seed, and will stand the drought and heat better than other varieties.....	.05	.15	.40
<b>Deacon.</b> Large and very solid heads, crisp and tender.....	.05	.15	.40
<b>Big Boston.</b> Fine for forcing in cold frames, and for planting in the open ground.....	.05	.15	.40
<b>Brown Dutch.</b> A large, hardy variety.....	.05	.15	.40
<b>White Paris Cos.</b> A sort with long, narrow, upright leaves; does not head, but when tied up blanches very easily.....	.05	.15	.40

## MARTYNIA.

A strong-growing, hardy annual, with curious-shaped seed-pods, which, when young and tender, are highly prized for pickling. The pods are produced in great abundance, and should be gathered when about half grown. Plant in May or June, in rows two feet apart, making hills about a foot apart.

<b>Martynia Proboscidea.</b> Best for pickling .....	.05	.25	.75
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MONTREAL  
MELON.

## MELON—Musk.

Melons thrive best in a moderately enriched, light soil. The hills should be six feet apart each way. After all danger of frost is passed, plant twelve or fifteen seeds in each hill, and when well up, thin out to three or four plants.

*One ounce to sixty hills; two to three pounds for an acre.*

	Pkt.	Oz.	1 lb.	Lb.
<b>Emerald Gem.</b> Medium size; flesh rich salmon, of delicious flavor and superior quality; early and prolific.....	.05	.10	.30	\$1.00
<b>Green Citron.</b> Fruit medium size, deeply netted, shape nearly round; flesh green, and of rich, delicious flavor.....	.05	.10	.30	1.00
<b>Montreal.</b> Large, round netted; flesh thick and light green.....	.05	.10	.30	1.00
<b>Large Round Yellow Cantaloupe.</b> Flesh reddish orange, sweet and of good flavor; an early and productive variety .....	.05	.10	.30	1.00
<b>Large Yellow Musk.</b> A very large variety, deeply ribbed and thickly netted; flesh salmon yellow, thick and sweet .....	.05	.10	.30	1.00
<b>Surprise.</b> Very early; medium size; salmon colored; flesh of superior flavor.....	.05	.10	.30	1.00
<b>Rocky Ford.</b> Flesh green; medium size; oval shape.....	.05	.10	.30	1.00

## MELON—Water.

<i>Plant in hills eight feet apart and cultivate same as musk melon. One ounce for thirty hills; four to five pounds to the acre.</i>	.05	.10	.30	\$1.00
<b>Mountain Sweet.</b> An old and reliable sort; flesh red.....	.05	.10	.30	1.00
<b>Black Spanish.</b> Fruit of large size, almost round; skin dark green; flesh red.....	.05	.10	.30	1.00
<b>Phinney's Early.</b> Productive, early and finely flavored; flesh red.....	.05	.10	.30	1.00
<b>Citron.</b> The standard variety for preserves.....	.05	.10	.30	1.00

## MUSHROOM SPAWN.



Mushrooms may be grown in a warm cellar or shed in winter, or in the open air in summer. Take partially dry, fresh horse manure and lay it in a heap to ferment; turn and mix it well every few days, and when well fermented, it may be made into a bed, mixing it well together and beating or treading it firmly. Use a thermometer to thrust into the bed, and note the temperature. When the heat has partially subsided, leaving a temperature of 70° to 80°, put in the spawn, which may be inserted in pieces the size of a walnut, about two inches deep and six inches apart. After about two weeks, cover with fresh soil about two inches deep and beat it down evenly and firmly. Finish off with a covering of clean straw or hay about a foot thick. If the temperature is right, mushrooms will begin to come up in about six to eight weeks, and the bed will continue bearing for about a month. One pound of Spawn is sufficient for a bed 2 x 6 feet.

**English Spawn** ..... In bricks, per lb., 15 cts.; 8 lbs., \$1.00  
By mail, add ten cents per pound for postage.

## MUSTARD.

A pungent salad used with cress. The seed is used for flavoring pickles, etc. Sow in May thickly in rows and cut when two or three inches high.

*One ounce to forty feet of drill.*

	Oz.	Lb.
<b>White London.</b> Best for salads.....	.05	.25
<b>Brown</b> .....	.05	.35

## OKRA.

Sow late in the spring, after the ground has become warm, in drills three feet apart, where the plants are to remain. Thin out from nine to twelve inches. They should be well manured. They may also be raised in pots, or in a hot-bed, and transplanted.

	Pkt.	Oz.	1 lb.
<b>Improved Dwarf Green.</b> Small, green, round, smooth pods .....	.05	.10	.20

## ONION.

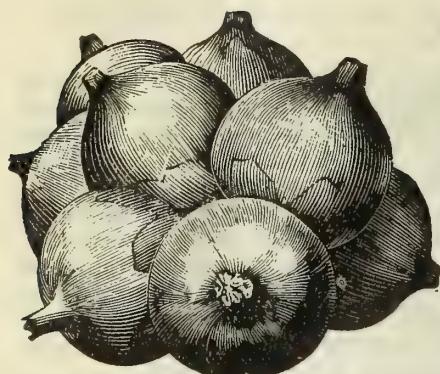


**YELLOW GLOBE DANVERS  
ONION.**

No vegetable is more extensively known and cultivated than the onion. A good crop is impossible unless the soil is very rich and kept clean. Use well-rotted manure freely, and get the crop in as soon as possible in the spring, no matter if the weather is cold and unpleasant. Sow in drills one foot apart and cover about one-third of an inch, treading or rolling after sowing, so that the hot, dry atmosphere may not dry up and destroy the sprouting seed.

*One ounce to one hundred feet of drill; five pounds to the acre.*

	Pkt.	Oz.	1 lb.	Lb.
<b>Early Yellow Cracker.</b> Flat, early onion, of mild and delicate flavor, and a good keeper.....	.05	.20	.65	\$2.00
<b>Yellow Globe Danvers.</b> Extra choice Maine grown seed, raised expressly for market garden trade. This is far superior to western grown seed, being much earlier. The Yellow Danvers is the most profitable variety to raise; is very productive, a good keeper and of mild flavor .....	.05	.25	.75	2.50
<b>Yellow Globe Danvers.</b> Grown from selected stock; a standard variety.....	.05	.20	.50	1.50
<b>Large Red Wethersfield.</b> Large size, productive and a good keeper .....	.05	.20	.65	2.00
<b>Extra Early Red Globe.</b> Ten days earlier than the Wethersfield, of medium size and deep, rich color; an abundant producer, and of good form and flavor, keeping well .....	.05	.20	.65	2.00
<b>Prizetaker.</b> Large, pale yellow onion; flesh white; mild flavor .....	.05	.20	.65	2.00
<b>White Portugal.</b> A mild and desirable summer variety; extensively grown for pickling .....	.05	.25	.75	2.50
<b>New Queen.</b> A silver-skinned variety, of quick growth and remarkable keeping qualities .....	.05	.20	.75	2.50



ONION SETS.

## ONION SETS.

Onion sets should be planted near the surface as early in the spring as the ground will permit, in drills about twelve inches apart and four inches in the rows. They produce a very early and profitable crop, and grow in any good soil. *Add ten cents per quart if sent by mail.*

Qt. Pk.

**White Onion Sets** ..... .20 \$1.25  
**Yellow Onion Sets** ..... .20 1.15

For larger quantities, prices will be given on application.

## PARSLEY.

Parsley requires rich, mellow soil; sow thickly in drills, one foot apart and half an inch deep. As the seed germinates slowly, it is best to soak it for a few hours in tepid water before sowing. For winter use protect in a glass frame or light cellar. *One ounce to one hundred and fifty feet of drill.*

Pkt.	Oz.	1 lb.	
.....	.05	.10	.20
.....	.05	.10	.20

**Extra Double Curled** ..... .05 .10 .20

**Fern Leaved** ..... .05 .10 .20

## PARSNIP.

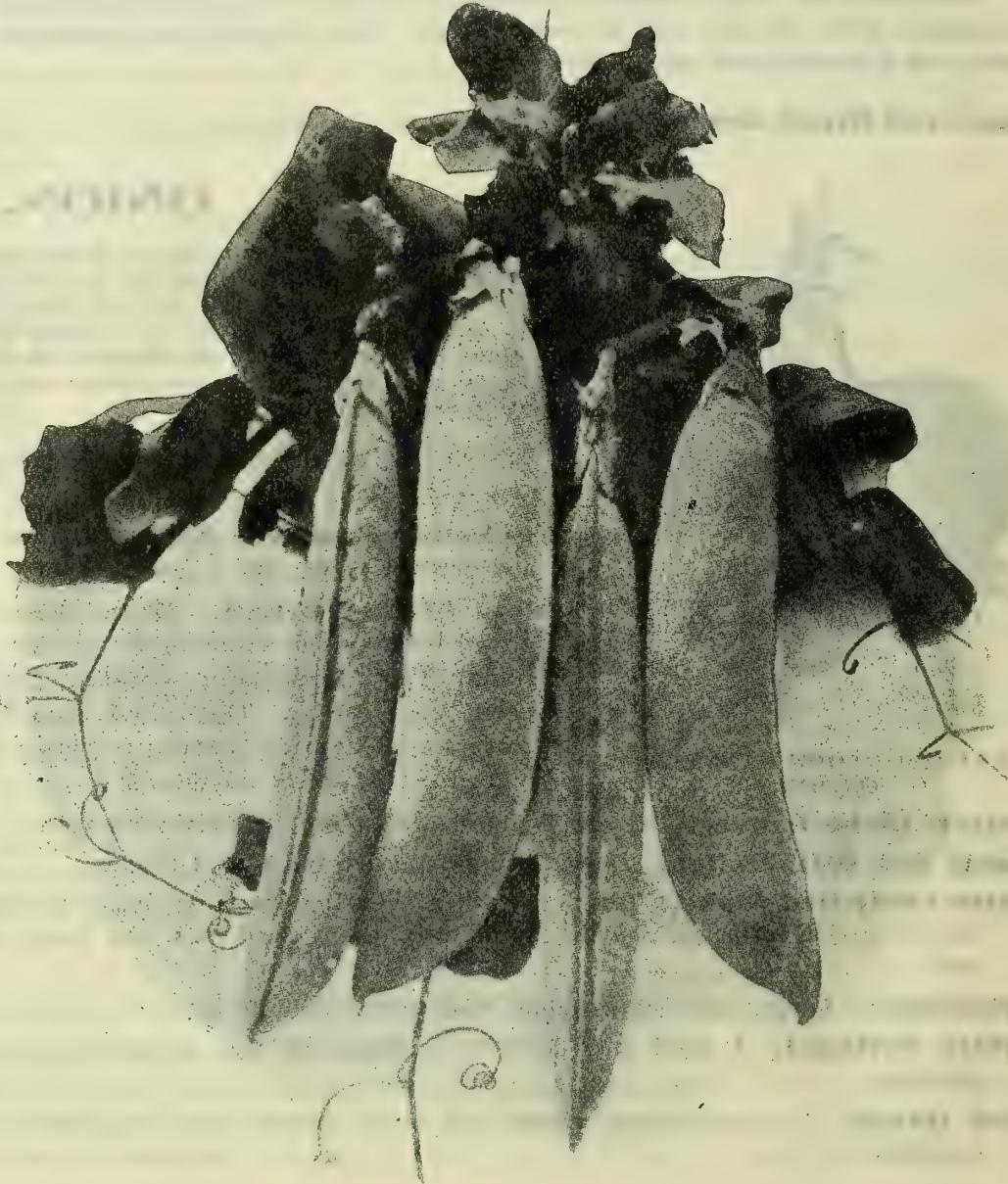
Sow as early in the spring as the weather will admit, in drills fifteen inches apart, covering half an inch deep. When well up thin out to five or six inches apart in rows. Unlike carrots, they are improved by frosts, and it is usual to take up in the fall a certain quantity for winter use, leaving the rest in the ground until spring, to be dug as required. *One ounce to two hundred feet of drill; five pounds to the acre.*

Pkt. Oz. 1 lb. Lb.

**Arlington Long White.** Roots very long and smooth; one of the best for market gardeners. ..... .05 .10 .20 .50  
**Abbott's Improved.** Smooth and quite large; one of the best. ..... .05 .10 .20 .50  
**Hollow Crown.** Roots very long, growing mostly below the surface of the ground. ..... .05 .10 .20 .50

## PEAS.

Peas, for an early crop, should be sown as soon as the ground is in working condition. The soil for their reception should be light, dry and well sheltered. Mild manure, such as leaf mold, has a beneficial effect; but for many of the varieties the soil cannot be too rich. For general crops, the ground should be well manured the previous year, which causes them to yield more abundantly. When grown as a market crop, peas are never staked, and are sown in single rows, two or three inches deep, and from two to three feet apart, according to the variety or strength of the soil. When grown in small quantities for private use, they are generally sown in double rows, six or eight inches apart, and the tall varieties staked up by brush.



**PEAS—Continued.**

*One quart to seventy-five feet of drill; from one to two bushels to the acre.*

*Peas ordered by mail are subject to an extra charge of fifteen cents per quart for postage. Pints furnished at quart rates.*

**Extra Early.**

	Qt.	Pk.	Bu.
<b>GRADUS.</b> One of the earliest large-podded peas grown, being extra early, combining quality, size and productiveness. Produces healthy, vigorous vines 2 1-2 feet high, bearing well-developed pods, containing peas of fine flavor.....	.50	\$3.50	\$12.00
<b>THOMAS LAXTON.</b> One of the best early wrinkled varieties, closely resembling the Gradus in size; pods large and well filled with peas of finest flavor. Hardy and extremely productive.....	.50	3.50	12.00
<b>NOTT'S EXCELSIOR.</b> Robust and vigorous in growth, producing handsome pods, closely packed with large peas of fine flavor. An improvement on American Wonder, being more vigorous and prolific; height, 12 inches .....	.35	2.50	9.00
<b>SUTTON'S EXCELSIOR.</b> Same habit of growth as Nott's Excelsior, bearing larger pods, filled with large peas, tender and of most delicious flavor, and produced in greater abundance.....	.35	2.50	9.50
<b>Cleveland's Alaska.</b> A fine blue-seeded, extra early pea, with dark green colored pods; uniform in growth and almost entirely free from sports or runners; height, 2 1/2 feet....	.30	2.00	7.25
<b>"K. &amp; W." Extra Early.</b> A variety similar to, but an improvement upon, the Alaska, being fully as early, but bearing larger pods; height, about 2 feet.....	.30	2.15	7.50
<b>Cleveland's Eclipse.</b> This pea is a very early variety, a vigorous grower and a large producer, with pods of good size and true American Wonder in shape. Seeds green and wrinkled and of sweet and delicious flavor; height, 2 feet.....	.30	2.25	8.25
<b>Bliss' American Wonder.</b> One of the earliest wrinkled sorts; grows about 9 inches high and is covered with well-filled pods.....	.35	2.50	8.75
<b>McLean's Little Gem.</b> A dwarf green, wrinkled sort of superior flavor; 1 foot.....	.30	2.25	8.00
<b>Carter's Premium Gem.</b> A very fine dwarf, wrinkled pea, an improvement on Little Gem; 1 foot.....	.30	2.25	8.00
<b>Carter's First Crop.</b> An extra early, smooth variety; 2 1/2 feet.....	.30	1.90	6.75
<b>Maud S.</b> One of the earliest smooth peas; 2 1/2 feet.....	.30	1.90	6.75

**Second Early Varieties.**

<b>Dwarf Telephone.</b> A choice variety with dwarf vines, bearing large, handsome pods, with peas of fine quality. Vine 18 inches high, stocky, healthy and vigorous, with almost no tendency to sport .....	.30	2.25	8.00
<b>Heroine.</b> A medium early, green, wrinkled variety; pods remarkably long and handsome, slightly curved, well filled with large peas; 2 feet .....	.30	2.00	7.50
<b>McLean's Advancer.</b> A second early, green, wrinkled, market variety; pods long and well filled with peas of fine flavor; 2 feet.....	.30	2.00	7.50
<b>Horsford's Market Garden.</b> An excellent wrinkled variety, productive and of good quality; 2 feet.....	.30	2.00	7.50
<b>Duke of Albany.</b> Resembling Telephone in appearance; vine more dwarf; height, 2 1/2 to 3 feet .....	.40	2.75	10.50

**For General Crop.**

<b>ADMIRAL DEWEY.</b> A variety entirely distinct from any pea yet grown. Foliage, vine and pods rich, dark green. Healthy and vigorous, producing pods of large size, filled with peas of splendid flavor. One of the best of all long-vine, large-podded peas; height, 3 1-2 feet.....	.40	2.75	10.50
<b>CARTER'S IMPROVED TELEPHONE.</b> An improvement on Carter's Telephone for PURITY and UNIFORMITY of HABITS, being true to name, showing no tendency to small, late pods, but bearing in great abundance LARGE, HANDSOME, FINELY FORMED PODS, from 5 to 7 inches in length. A superior wrinkled variety; height, 3 feet....	.40	2.75	10.50
<b>Champion of England.</b> A well-known popular variety, unsurpassed in flavor, and very productive; 5 feet.....	.30	2.00	7.50
<b>Yorkshire Hero.</b> A green, wrinkled variety, of branching habit and fine flavor; 2 1/2 feet.	.30	2.00	7.50
<b>Sutton's Dwarf Defiance.</b> Very productive. Pods handsome, long, straight, dark green, and filled with large peas of fine flavor .....	.30	2.25	8.00
<b>Improved Stratagem.</b> One of the best of the large, wrinkled varieties, with pods of immense size, uniformly filled with very large, dark green peas of the finest quality; 2 ft.	.35	2.50	9.50

**PEAS—Continued.**

	Qt.	Pk.	Bu.
<b>Bliss' Everbearing.</b> Fine wrinkled variety; pods three to four inches long, well filled with large peas; 2 feet.....	.30	\$2.25	\$8.00
<b>Royal Dwarf White Marrowfat.</b> One of the best late sorts; white seeded; very productive; 3 feet .....	.20	1.25	4.00
<b>Black-eyed Marrowfat.</b> This, as well as the preceding, is extensively grown as a field pea; hardy and productive; 4 feet.....	.20	1.25	4.00
<b>Melting Sugar.</b> Superior to all others of the edible pod sorts .....	.35	2.50	9.50
<b>White Canada Field.</b> Valuable for sowing with oats for green fodder; excellent for feeding to pigeons, etc.....	.10	.65	2.25

**PEPPER.**

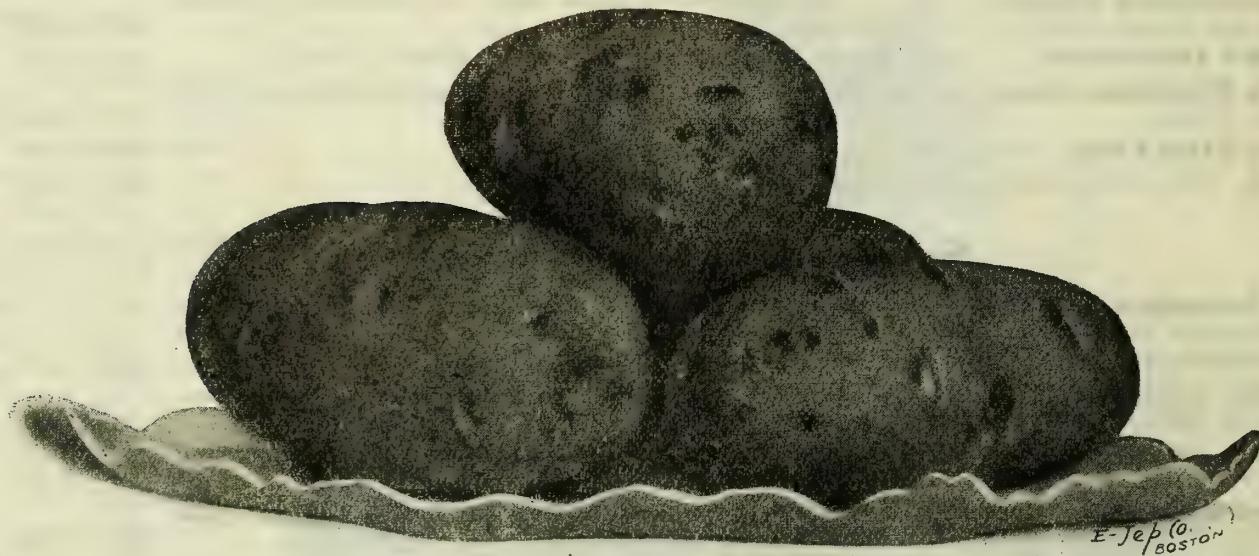
Grown largely for pickles. Sow in hot-beds early in April and transplant to the open ground when the weather is warm and settled. The rows should be two feet apart and the plants fifteen inches apart in the rows. Rich, warm, mellow soil.

*One ounce of seeds will produce about 2,000 plants.*

	Pkt.	Oz.	lb.
<b>Large Bell.</b> Large and of mild flavor .....	.05	.25	.75
<b>Sweet Mountain or Mammoth.</b> Similar to the Bell, but larger.....	.05	.25	.75
<b>Large Squash.</b> Productive; much used for pickles .....	.05	.25	.75
<b>Red Cherry.</b> Small, round, smooth, glossy scarlet fruit .....	.05	.25	.75
<b>Long Red Cayenne.</b> Bright red; very productive .....	.05	.25	.75

**POTATOES.**

ALL OUR STOCK IS GROWN IN AROOSTOOK COUNTY.



	Pk.	Bu.	Bbl.
<b>Cleveland's Perfection.</b> This very fine potato, offered for the first time last season, originated in Maine from the seed ball. It is white in color, slightly flattened in shape, with blunt seed end, flesh white, fine grained, of excellent table quality, a robust grower, and is one of the best keepers of the medium early sorts .....	.50	\$1.50	\$3.50
<b>Extra Early White Rose.</b> One of the very best for earliness, quality, and productiveness. Is uniform in size and shape, being oblong, with roundish seed end, and smooth surface.....	.40	1.35	3.25
<b>Early Six Weeks.</b> Early, medium size, very smooth, color light pink.....	.40	1.35	3.25
<b>Norcross.</b> Large white potato; flat, oval in shape; very fine in quality and a large yielder .....	.40	1.35	3.25
<b>Pure Early Rose.</b> The pioneer of all the improved varieties, still very popular and highly esteemed.....	.40	1.35	3.25
<b>Early Harvest.</b> A desirable early variety; large yielder; fine quality. The tubers average large size .....	.40	1.35	3.25
<b>Beauty of Hebron.</b> Very productive and early, slightly flesh-colored skin, with pure white flesh.....	.40	1.35	3.25
<b>New Queen.</b> Resembles the Hebron in color and form; a vigorous grower, producing large crops.....	.40	1.35	3.25
<b>Irish Cobbler.</b> One of the most reliable of the early varieties. Cream-white color, vigorous grower, ripens uniformly, and a good keeper.....	.40	1.35	3.25

**POTATOES—Continued.**

	Pkt.	Bu.	Bbl.
<b>Improved Green Mountain.</b> Improved by careful selection of seed. In season it is medium; one of the best yielders, free from blight and rot, keeps well; color white, form round or oval, smooth skinned and a heavy yielder.....	40.	\$1.35	\$3.25

**PUMPKIN.**

Same cultivation as for cucumbers and melons.

	Pkt.	Oz.	1 lb.	Lb.
<b>Large Cheese.</b> Medium size; best for cooking .....	.05	.10	.20	.60
<b>Sugar.</b> Fine grained, sweet and prolific.....	.05	.10	.20	.60
<b>Mammoth Tours.</b> Grows to enormous size, frequently weighing 100 to 150 lbs. Oblong in shape, and is mainly used for feeding stock.....	.05	.15	.30	1.00
<b>Connecticut Field.</b> Large; used for stock.....	.05	.10	.15	.35

**RADISH.**

Radishes thrive best in a light, rich, sandy loam; heavy or clayey soils not only delay their maturity, but produce crops much inferior, both in appearance and flavor. For a successive supply, sow from the middle of April until September, at intervals of two or three weeks. For an early supply they may be sown in a hot-bed in February.

One ounce for one hundred feet of drill.



**FRENCH BREAKFAST RADISH.**

	Pkt.	Oz.	1 lb.	Lb.
<b>Non Plus Ultra.</b> The earliest forcing radish; extra early, maturing in about 20 days; round, bright red, with small tops; very mild .....	.05	.10	.20	.60
<b>Crimson Giant Forcing.</b> Rich crimson color, flesh white and solid, and of a mild, delicious flavor. Grows to a large size without becoming pithy. Excellent for forcing .....	.05	.10	.25	.75
<b>Early Scarlet Turnip (white tip).</b> Handsome bright scarlet color, with white tip .....	.05	.10	.20	.60
<b>Long Scarlet Short Top.</b> Very long and crisp; for frames or open ground.....	.05	.10	.20	.60
<b>Early Scarlet Turnip.</b> Round, scarlet, small, short top; mild and crisp .....	.05	.10	.20	.60
<b>French Breakfast.</b> A variety of quick growth; very mild and tender; one of the best for forcing.....	.05	.10	.20	.60
<b>Early White Turnip-Rooted.</b> Round, clear white .....	.05	.10	.20	.60
<b>Icicle.</b> Quick growing; clear white. Fine for forcing .....	.05	.10	.25	.75
<b>Black Spanish.</b> One of the hardest and best for winter use.....	.05	.10	.20	.60

**SALSIFY.**

Commonly called vegetable oyster. Used stewed, boiled or fried. When cooked has an oyster flavor. Sow early in drills fifteen inches apart; cover the seeds with fine soil, an inch and a half deep.

One ounce to fifty feet of drill.

	Pkt.	Oz.	1 lb.	Lb.
<b>Long White French</b> .....	.05	.10	.30	

**SPINACH.**

Sow early in the spring, in drills a foot apart, every two weeks for a succession, and as it grows, thin out for use. For fall use sow in August, and for winter crop in September. Cover that which is left out over winter with straw or leaves, after the weather becomes quite cold.

One ounce to one hundred feet of drill; ten to twelve pounds per acre.

	Pkt.	Oz.	1 lb.	Lb.
<b>Victoria.</b> A variety producing large, thick leaves of fine color and quality. Especially recommended for market gardeners .....	.05	.10	.15	.35
<b>Round Thick-Leaved.</b> A valuable variety, with thick, dark green leaves; long standing and hardy .....	.05	.10	.15	.35
<b>Savoy Leaved.</b> A very desirable variety; leaves wrinkled.....	.05	.10	.15	.35
<b>Long Standing.</b> Dark green; the longest standing before going to seed.....	.05	.10	.15	.35
<b>Fall or Winter.</b> One of the hardest for fall planting.....	.05	.10	.15	.35
<b>New Zealand.</b> Of branching habit, makes a very large plant, which stands drouth well. Leaves thick and fleshy, enduring the entire summer.....	.05	.10	.25	.75
Market gardeners, and others using large quantities, are requested to write for special quotations.				

**SQUASH.**

Any good, rich soil is adapted to the growth of the squash. They only thrive well in a warm temperature, as all the varieties are tender annuals, and the seed should not be sown in the spring until all danger from frost is past and the ground is warm and thoroughly settled. The hills for bush varieties should be about six feet apart; for running sorts, ten feet. Leave two plants to a hill.



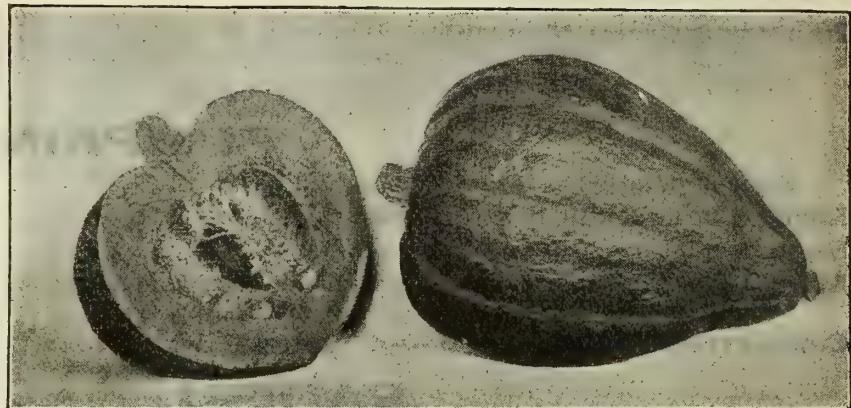
Running varieties, one ounce to fifteen hills; four pounds per acre.

Bush varieties, one ounce to fifty hills.

**SUMMER CROOK-NECK SQUASH.**

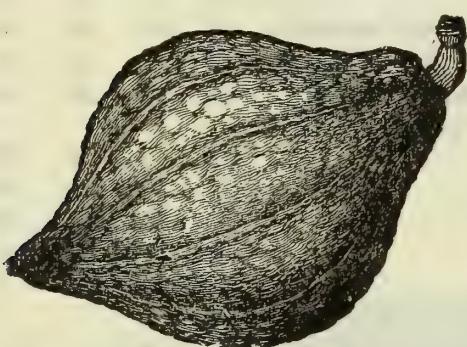
## SQUASH—Continued.

**THE DELICIOUS.** In color it closely follows the Hubbard, and in thickness of flesh it surpasses nearly every variety. No squash compares with it in fineness and compactness of grain, dryness and sweetness and richness of flavor. It is a fall and winter squash, but does not acquire its best qualities until winter. Per Pkt., 5c.; Oz., 10c.; 1-4 lb., 30c.; Lb., \$1.00.



THE DELICIOUS SQUASH.

	Pkt.	Oz.	1 lb.	Lb.
<b>Hubbard.</b> Standard winter squash, a general favorite and grown more extensively than any other late variety; color dark green; shell extremely hard; flesh dry, fine-grained and sweet; excellent keeper .....	.05	.10	.25	.75
<b>Golden Hubbard.</b> Similar to Green Hubbard, of a rich orange-red color, and of fine flavor .....	.05	.10	.25	.85
<b>Warted Hubbard.</b> Dark green color, shell hard and warted, good keeper.....	.05	.10	.25	.85
<b>Early Prolific Marrow.</b> For fall and winter use this is a very desirable sort. Is of excellent quality and keeps well. Color brilliant orange red.....	.05	.10	.25	.75
<b>Boston Marrow.</b> A much esteemed variety; a good keeper and of excellent flavor.....	.05	.10	.25	.75
<b>Turban.</b> Orange-yellow; flesh of good flavor..	.05	.10	.25	.75
<b>Yellow Bush Scalloped.</b> An early market variety; excellent for shipping .....	.05	.10	.25	.75
<b>Summer Crook-Neck.</b> Early, productive, and of good quality; color orange yellow.....	.05	.10	.25	.75
<b>Winter Crook-Neck.</b> An old, well-known variety; hardy and a good keeper .....	.05	.10	.25	.75
<b>Mammoth Chili.</b> Grows to a large size, often weighing over two hundred pounds; excellent for stock .....	.05	.15	.40	\$1.25



HUBBARD SQUASH.

## TOMATO.

This vegetable is one of the most important of all garden products. They thrive best in a warm, light, rich soil. For early plants, sow about the first week in March in a hot-bed, or in boxes or pots in a warm window. When the plants are about two inches high, set out in boxes, three inches deep and four inches apart, in the same temperature, or pot singly. If again transplanted before setting out, the plants will be still more stocky. Set out in the open ground about the first of June, four feet apart each way, using a shovelful of rotted manure in each hill.

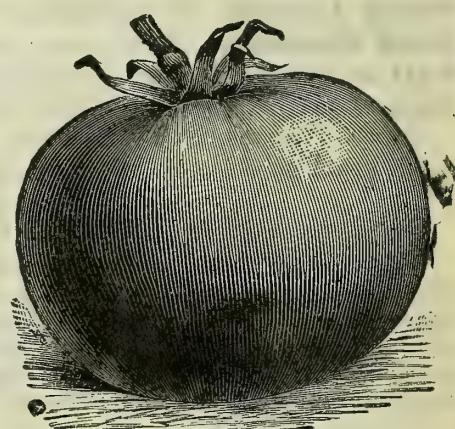
One ounce for 1,500 plants.

	Pkt.	Oz.	1 lb.
<b>EARLIANA.</b> The earliest large tomato. Its large size, handsome shape, beautiful red color and fine quality are unsurpassed by any of the best early and medium sorts .....	.05	.25	.75

<b>Bonny Best.</b> Color an intense scarlet. It is roundish and slightly flattened at stem end. Early, prolific, and uniform in shape and size.....	.10	.50	\$1.75
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<b>Scarlet Globe.</b> Brilliant scarlet, ripens evenly, is smooth, round, a vigorous grower, and a most desirable table and canning variety.....	.10	.50	1.75
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<b>Table Queen.</b> Early, smooth, bright red color; flesh very solid; fine table variety.....	.05	.25	.75
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EARLIANA TOMATO.

**TOMATO—Continued.**

	Pkt.	Oz.	1 lb.
<b>Fordhook.</b> Extra early; perfectly smooth and solid; medium size.....	.05	.25	.75
<b>Livingston's Beauty.</b> Color very glossy crimson; grows in clusters of four or five; fruit large and solid .....	.05	.25	.60
<b>Livingston's Favorite.</b> Productive; good flavor; few seeds; flesh solid, smooth and handsome .....	.05	.25	.60
<b>Livingston's Perfection.</b> Early, large, smooth and solid; blood red color.....	.05	.25	.60
<b>Dwarf Champion.</b> Dwarf variety; fruit medium size, resembling the Acme in color....	.05	.25	.75
<b>Dwarf Stone.</b> The largest fruited of the dwarf varieties, the fruit being of a bright scarlet, and growing in clusters; flesh very solid, firm and smooth.....	.05	.30	.75
<b>Red Cross.</b> Early, very smooth and even in size throughout the season.....	.05	.25	.75
<b>Red Cherry.</b> A small early variety; size and shape of a cherry; for pickling.....	.05	.25	.75
<b>Yellow Plum.</b> Similar to Red Cherry, excepting color bright yellow.....	.05	.25	.75

The following varieties at a uniform price of 5c. per pkt.; 25c. per oz.:

Royal Red, Stone, Essex Hybrid, Acme, Trophy, Paragon, Early Ruby, Canada Victor, Dwarf Aristocrat, Lorillard, Ponderosa.

**TOBACCO SEED.**

<b>Connecticut Seed Leaf</b> .....	.05	.30	\$1.00
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**TURNIP.**

Turnips thrive best in rich, sandy, gravelly soil. The earliest varieties can be sown as soon as the ground can be worked, either in drills or broadcast. For a succession, sow at intervals of a fortnight until the last week in July, from which time until the end of August sowing may be made for the fall and main crops.

*One ounce for one hundred and fifty feet of drill; one to two pounds in drills to the acre.*

To keep the roots fresh during the winter, they may be placed in a cool, dry cellar and buried with dry sand.



CARTER'S IMPERIAL  
HARDY SWEDE.

	Pkt.	Oz.	1 lb.	Lb.
<b>Purple-Top Milan.</b> The earliest variety in cultivation. Flesh white, hard, and of excellent quality .....	.05	.10	.20	.65
<b>White Egg.</b> Oval; handsome and sweet.....	.05	.08	.15	.40
<b>Purple-Top Strap Leaf.</b> Best variety for main crop, equally good for spring or fall sowing; white flesh.....	.05	.08	.15	.40
<b>White-Top Strap Leaf.</b> Similar to the above in quality .....	.05	.08	.15	.40
<b>Yellow Stone.</b> Fine, hard, winter sort .....	.05	.10	.20	.50
<b>Early White Six Weeks.</b> Pure white; very early .....	.05	.10	.20	.50
<b>Golden Ball.</b> A rapid grower of excellent flavor; bright yellow, good keeper, and a superior table variety.....	.05	.10	.20	.50
<b>Yellow Aberdeen.</b> An excellent hardy variety, keeping well through the winter.....	.05	.10	.20	.50

**RUTA BAGA or SWEDE TURNIP.**

<b>Carter's Imperial Hardy Swede.</b> An improvement upon the other varieties, being larger, the flesh firmer, and an excellent keeper.....	.05	.08	.15	.40
<b>Skirving's Purple-Top.</b> A standard variety; hardy and productive .....	.05	.08	.15	.40
<b>Sweet German.</b> White, sweet and a good keeper .....	.05	.10	.20	.50

**SPECIAL \$1.00 OFFER****IN FLOWER AND VEGETABLE SEEDS.**

**Consisting of 30-5c. Pkts., or 15-10c. Pkts.**

The above may be selected by the purchaser from any varieties found in our Catalogue, and will be sent free by mail, on receipt of price.

## SWEET AND MEDICINAL HERBS.



Sweet Marjoram.

Summer Savory.

Thyme

Sow in spring, in shallow drills, one foot apart and when well up thin out or transplant to a proper distance apart.

	Pkt.	Oz.
Anise. Annual.....	.05	.15
Balm. Perennial.....	.05	.25
Basil, Sweet. Annual.....	.05	.15
Caraway. Biennial.....	.05	.10
Catnip. Perennial.....	.10	
Coriander. Annual.....	.05	.10
Dill. Biennial.....	.05	.10
Fennel, Sweet. Perennial.....	.05	.10
Horehound. Perennial.....	.05	.25
Hyssop. Perennial.....	.05	.25
Lavender. Perennial.....	.05	.15
Marjoram, Sweet. Annual.....	.05	.15
Rue. Perennial.....	.05	.15
Saffron. Annual.....	.05	.10
Sage. Annual. Per lb. \$1.50.....	.05	.15
Summer Savory. Annual.....	.05	.15
Thyme. Perennial.....	.05	.25
Wormwood. Perennial.....	.05	.25

## General List of Grass Seeds and Clovers.

All orders will be filled at lowest price when they are received, and we will take pleasure in quoting prices at any time.

Uses to which Best Suited.	Kinds of Lands to which Best Adapted.	Quantity to the Acre when Sown Alone.	Weight, per Bushel.
Timothy . . . . .	Hay	Stiff, loamy or bottom lands	1-2 bushel
Red Top (Recleaned) . . . . .	Pasture and Hay	Stiff, loamy or bottom lands	12 pounds
Hungarian . . . . .	Hay or Forage	Sandy, light or loamy soil	1 bushel
Japanese Millet . . . . .	Hay or Forage	Sandy, light or loamy soil	25 pounds
Golden Millet . . . . .	Hay or Forage	Sandy, light or loamy soil	1 bushel
Orchard Grass . . . . .	Hay and Pasture	Shady situation, loamy and stiff uplands	3 bushels
Kentucky Blue Grass . . . . .	Pasture and Lawn	Loamy and stiff soil	3 bushels
Rhode Island Bent . . . . .	Pasture and Lawn	Light and loamy soil	3 bushels
Creeping Bent . . . . .	Lawn	Light and loamy soil	3 bushels
Fowl Meadow Grass . . . . .	Hay	Wet meadows	2 bushels
Red Clover . . . . .	Hay or Pasture	Loamy and stiff soil	1-4 to 1-3 bushel
Pea Vine Clover . . . . .	Same uses and soil as red clover, but makes larger growth.		
Alfalfa or Lucerne Clover . . . . .	Hay only	Light or deep loam	1-3 bushel
Alsike Clover . . . . .	Hay or Pasture	Loamy or stiff bottoms	1-6 bushel
Crimson Clover . . . . .	Hay or Pasture	Light, loamy or stiff soil	1-4 bushel
White Clover . . . . .	Pasture and Lawn	Light, loamy or stiff soil	1-5 to 1-4 bushel
Tall Meadow Oat Grass . . . . .	Hay and Pasture	Light, dry and stiff uplands	4 to 5 bushels
Italian Rye Grass . . . . .	Hay and Pasture	Stiff lands and rich bottoms	2½ to 3 bushels
Perennial Rye Grass . . . . .	Hay and Pasture	Loamy and stiff uplands	2½ to 3 bushels
Wood Meadow . . . . .	Pasture and Lawn	Low, wet and shady situations	2 to 2½ bushels
Rough Stalked Meadow . . . . .	Pasture and Hay	Moist, sheltered and low situations	2½ to 3 bushels
English Rye Grass . . . . .	Pasture and Lawn	Moist, sheltered and low situations	3 bushels
Sweet Vernal Grass . . . . . (Annual)	Lawn	Stiff land, and rich, loamy soil	2 bushels
Sweet Vernal Grass . . . . . (Perennial)	Pasture and Lawn	Stiff land, and loamy, rich soil	2 bushels
Meadow Foxtail . . . . .	Pasture and Hay	Light, loamy or stiff soil	3 bushels
Crested Dogtail . . . . .	Lawn and golf links	Light, loamy or stiff soil	1½ to 2 bushels
Sheep Fescue . . . . .	Sheep Pasture	Dry, light soil	2½ to 3 bushels
Sheep Fescue Fine Leaved . . . . .	Lawn	Light, loamy soil	35 pounds
Hard Fescue . . . . .	Lawn	Dry, light soil	30 pounds
Various Leaved Fescue . . . . .	Pasture and shady lawn	Cold, moist land, and shady lawn	30 pounds
Meadow Fescue . . . . .	Pasture	Moist and low situations	2 bushels
Tall Fescue . . . . .	Pasture	Moist and shady situations	2 bushels

# GRAINS, ETC.

At the Lowest Market Rates and of the Best Quality.

## WHEAT, RYE, BARLEY, OATS AND BUCKWHEAT.



### Vetches or Tares.

**SPRING.**—Culture same as field peas. Sow two bushels per acre.

Price, per 100 lbs., \$4.00.

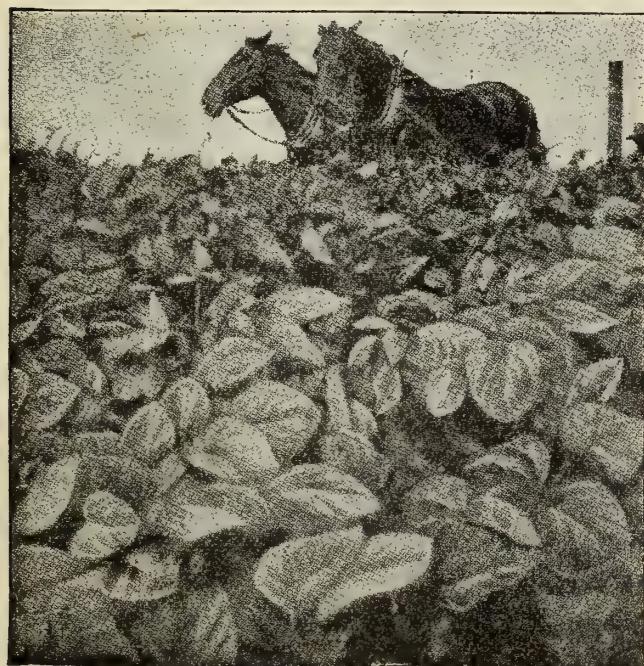
**WINTER.**—Also called sand or hairy vetch. Recommended for fall sowing with rye.

Price, per 100 lbs., \$9.00.

### Mammoth Yellow Soja Beans.

Valuable as a forage crop, and for fertilizing the soil, also for pasturing, feeding as green fodder, and for silo purposes. Sow one-half bushel to the acre.

Per qt., 15 cts. Per pk., \$1.00. Per bu., \$3.75.



Cow Peas.

### Japanese Barnyard Millet.

Exceedingly popular as a forage plant. Heavy cropper. Succeeds best in a moderately moist soil, and may be sown from the middle of May until July, at the rate of 25 pounds per acre.

It is quite distinct from other varieties, being an enormous cropper and excellent, either green or cured, as hay.

Per lb., 8 cts. Per 100 lbs., \$6.00.



Japanese Barnyard Millet.

### Velvet Beans.

A rival of the cow pea. Both vines and pods are eaten by live stock, and the beans can be ground, either with or without the pods, and fed instead of corn or oats, or can be mixed with them.

Per qt., 20 cts. Per pk., \$1.15. Per bu., \$4.00.

### New Era Cow Peas.

Smaller in size than the Whip-poor-will, and nearly two weeks earlier. One of the best varieties to sow, as it is extremely early, a good cropper, and produces more seed pods than most other kinds. A very valuable forage plant.

Per qt., 20 cts. Per pk., \$1.25. Per bu., \$4.00.

### White Canada Field Peas.

A small, hardy pea, valuable to sow early in the spring in connection with oats, to produce green forage and for making ensilage. They can be also sown alone, at the rate of three bushels per acre.

Per bu., \$2.25.

# “K. & W.” LAWN GRASS SEED.



VIEW ON THE WESTERN PROMENADE, PORTLAND.

To secure a rich, firm, deep and enduring lawn of luxuriant richness, not only should it be thoroughly prepared, well drained and graded, and enriched with decayed manures and commercial fertilizers, but if carefully sown with a sufficient quantity of

## “K. & W.” LAWN GRASS SEED,

It will result in a beautiful compact sward which will remain fresh and green throughout the season.

Per Pound, 25 cents. If sent by mail, add eight cents per pound for postage.

Bag containing 5 pounds,	•	•	•	•	•	\$1.15
“ “ 10 “	•	•	•	•	•	2.10
“ “ 25 “	•	•	•	•	•	5.00

## PERMANENT MIXTURE

for Golf Links and Putting Greens.

Especially prepared for sowing to produce a short, dense sward.

Per pound, 30 cents. If sent by mail, add eight cents per pound for postage.

## THE “K. & W.” NORTHERN WHITE OATS.

This unexcelled variety is free from rust, early and extremely hardy, yielding remarkably heavy crops, the grains being large, white, plump and first-class in every particular.

These oats have been carefully selected, thoroughly cleansed, and are free from foul seeds.

*Write for Quotations.*

# SEEDLINGS AND VEGETABLE PLANTS.

## FLOWER SEEDLINGS.

	Per Doz.		Per Doz.		Per Doz.		Per Doz.
Aster	15c.	Pinks	15c.	Snapdragon	15c.	Pansies (choice strains)	35c.
Balsam	15c.	Phlox	15c.	Stocks	15c.	Verbenas	30c.
Marigold	15c.	Petunia	15c.	Zinnia	15c.		

## VEGETABLE PLANTS.

### CABBAGE PLANTS—Hot-bed plants.

Ready May 1st to 15th.

	Per doz.	Per 100	Per 1,000
Henderson's Summer,	.15	1.00	8.00

For Winter Crop. Ready June 15th to 20th.

	Per doz.	Per 100	Per 1,000
Stone Mason Drumhead,	.30	2.75	

### CAULIFLOWER PLANTS—Hot-bed plants.

Ready May 1st to 15th.

	Per doz.	Per 100	Per 1,000
Henderson's Snowball,	.20	\$1.25	

### CELERY PLANTS—Ready June 1st to 15th.

	Per 100	Per 1,000
Golden Self-Blanching,	.75	\$5.50
White Plume,	.75	5.50
Boston Market,	.75	5.50

### CARNATION PINKS AND CANNAS.

### TOMATO PLANTS—Ready May 15th to 20th.

Earliana,	Dwarf Champion,
Canada Victor,	Favorite,
Beauty,	Fordhook,
Red Cross,	Perfection,
Scarlet Globe,	Bonny Best.
Table Queen,	

One dozen in each box, 30 cents.

### LETTUCE PLANTS—Ready May 15th to 20th.

20 cents per dozen; \$1.25 per hundred.

### PEPPER PLANTS—Ready about June 1.

Large Bell or Squash.

20 cents per dozen; \$1.25 per hundred.

### RHUBARB ROOTS.

15 cents each; \$1.50 per dozen.

(In 4-inch pots.) Selected for summer blooming.  
15 cents each; \$1.50 per dozen.

## SUMMER-FLOWERING BULBS.

### CANNAS (Dormant).

Each 10c.; per dozen, \$1.00.

### GLADIOLUS.

Plant in good garden soil, after the ground becomes warm in the spring, in full exposure to the sun. Set bulbs from 4 to 6 inches deep.

Groff's Hybrid Seedlings. Each 3c.; per doz., 25c.; per 100, \$1.50.

Extra White and Light. Each 5c.; per doz., 35c.; per 100, \$2.00.

Extra Scarlet and Red. Each 3c.; per doz., 25c.; per 100, \$1.75.

Superfine Mixed. A popular mixture of the most brilliant-colored varieties. Each 5c.; per doz., 50c.; per 100, \$2.00.

Fine Mixed. Each 3c.; per doz., 20c.; per 100, \$1.00.

### CALADIUM ESCULENTUM.

Eight to ten inches in circumference. Each 10c.; per doz., \$1.00.

### MADEIRA VINE.

Each 5c.; per doz., 50c.

### GLOXINIAS.

Mixed Varieties. Each 10c.; per doz., \$1.00.

### TUBEROUS BEGONIAS.

The tuberous-rooted begonias are among the handsomest of our summer-flowering bulbs, as they bloom continuously throughout the summer.

	Single.		Double.		
	Each.	Per Doz.	Each.	Per Doz.	
Scarlet	.06	.60	Scarlet	.10	\$1.00
Orange	.06	.60	Orange	.10	1.00
Crimson	.06	.60	Crimson	.10	1.00
Pink	.06	.60	Pink	.10	1.00
White	.06	.60	White	.10	1.00
Yellow	.06	.60	Yellow	.10	1.00
Mixed	.06	.60	Mixed	.10	1.00

### TUBEROSE.

Large bulbs. Each 5c.; per doz., 50c.; per 100, \$3.00.

### DAHLIAS.

Double Named Varieties. Growing plants; ready about May 15th. Each 15c.; per dozen, \$1.25.

## DUTCH FLOWERING BULBS.

### FOR FALL PLANTING.

Our Bulb Catalogue will be issued in September and mailed free to all who write for it.

# BRADLEY'S FERTILIZERS.

**"The World's Best by Every Test."**

Considering that the amount of fertilizer used when applied at the rate of 1,000 pounds per acre only furnishes about 200 pounds of plant food to 2,000,000 pounds of top soil to the depth of eight inches, it is easy to understand that the even growth and greatest productiveness of the crop depends upon the thorough mixing, perfect mechanical condition and proper combination of plant foods in this small application.

In using Bradley's Fertilizers, the farmer avails himself of the highest skill obtainable in the production of chemical fertilizers.

**From the New Hampshire Agricultural Experiment Station Report.**

"In some sections of our state it has become the habit to regard the soil as worn out, but it would be more accurate to consider it temporarily exhausted and fully capable of regaining its original strength. The most convenient remedy for beginning its recovery is a good commercial fertilizer, which should be accompanied by good tillage and an increase in the humus-content."

## BRADLEY'S STANDARD FERTILIZERS

have become a necessity, for on the perfection and reliability of the fertilizer your crops depend. Behind every bag of Bradley's standard goods stands the well-earned and carefully-guarded reputation of half a century with the guarantee of the oldest, largest and best equipped manufactory.

**BRADLEY'S FERTILIZERS** are compounded of the HIGHEST GRADE MATERIALS skillfully combined in proper proportions, carefully and thoroughly manufactured to a PERFECT MECHANICAL CONDITION.

Bradley's fertilizers are always uniform in quality and condition, without variableness or the shadow of change.

Farmers! When you contemplate purchasing **fertilizer** commune with yourselves and ask what brands have proven the best and most reliable in a series of years, and have given the most general satisfaction!

There is no economy in considering price ONLY, the best economy is to consider RESULTS. We have the habit of selling good fertilizers cheap, and the recollection of their quality remains long after the matter of price is forgotten.

A full stock of the following standard fertilizers constantly on hand:

**Bradley's XL Superphosphate,**

**Bradley's Potato Manure,**

**Bradley's Potato Fertilizer,**

**Bradley's Eureka Seeding-down Manure,**

**Bradley's Corn Phosphate,**

**Bradley's Complete Manure for Top-dressing Grass and Grain,**

**Bradley's Complete Manure with 10% Potash,**

**Bradley's Complete Manure for Corn,**

**Bradley's Complete Manure for Potatoes and Vegetables.**

## BRADLEY'S ENGLISH LAWN FERTILIZER.

A high-grade chemical mixture, rich in nitrogen, phosphoric acid and potash, combined in proportions especially adapted to produce a vigorous and healthy growth of grass. Being odorless, and free from weed seeds, it is far superior to unsightly and pungent stable dressing, much more easily applied, and vastly cheaper in every way.

### PRICE.

10-lb. bag for 1,000 square feet of lawn,	\$ .50	50-lb. bag for 5,000 square feet of lawn,	\$ 1.75
25-lb. bag for 2,500 square feet of lawn,	1.00	100-lb. bag for 1-4 acre of lawn,	3.00

# BOWKER'S FERTILIZERS

## **Enrich the Earth and Those Who Till It.**

Feed your crops as you feed your animals—judiciously, using the kinds best adapted to their needs; economically, using the kinds that furnish the most for the money; and generously, having in mind that a stinted crop is rarely profitable to raise.

# The STOCKBRIDGE Special Manures

provide the sort of plant food required by good farmers.

# STOCKBRIDGE SPECIAL FERTILIZERS,

**For POTATOES AND VEGETABLES,  
For CORN AND GRAIN,  
For TOP DRESSING, SEEDING DOWN, etc.**

# **BOWKER'S** GENERAL FERTILIZERS,

**For EVERY CROP THAT GROWS.**

# BOWKER'S PYROX.

One of the best and safest all-around sprays, kills all leaf-eating insects, prevents blight and all fungous troubles, without injury to fruit or foliage. Equally good on fruit trees, potatoes, garden vegetables and shrubbery. It "sticks like paint," and rain "won't wash it off."

## **BOWKER'S LIME-SULPHUR.**

Kills San Jose Scale, bark lice, mosses, etc., and disease spores lodged on the bark. Needs only to be diluted with cold water and applied while the trees are dormant before the buds show green at the tips in the Spring. One of the most concentrated and reliable Lime-Sulphur solutions for spraying fruit trees, shade trees, grape vines, currant bushes, shrubbery, etc. This is a cherry-red liquid, clear and free from sediment, and its analysis and purity is guaranteed under the new United States Insecticide Law.

1 gallon, . . . . .	\$ .75
5 gallons, . . . . .	2.25
10 gallons, . . . . .	4.00
25 gallons, . . . . .	6.50
50 gallons (1 barrel), . . . . .	12.00
100 gallons or more, price on application.	



**KENDALL & WHITNEY, Portland, Maine,**

## Agents for BOWKER'S FERTILIZERS and STOCKBRIDGE MANURES.

# Chemicals and Fertilizers.

## PRICES SUBJECT TO CHANGE.

	Per 100 lbs.	Per ton.	Per 100 lbs.	Per ton.
<b>Dissolved Bone Black, 16 to 18 per cent.</b>				
phosphoric acid,	\$1.50	\$27.00		
<b>Muriate of Potash, 50 to 55 per cent.,</b>	3.00	51.00		
<b>Nitrate of Soda, 18 to 20 per cent.,</b>	3.25	56.00		
<b>Sulphate of Potash, 48 to 50 per cent..</b>	3.50	62.00		
<b>Acid Phosphate,</b>	1.15	18.50		
<b>Sulphate of Ammonia, 24 to 25 per cent.,</b>			\$4.50	\$80.00
<b>Kainit, 20 to 25 per cent. sulphate of</b>				
potash,			1.10	16.00
<b>Dried Blood, 12 per cent. ammonia,</b>			3.50	60.50
<b>Tankage, fine ground, 9 per cent. ammo-</b>				
nia,			2.25	36.50

## PURE GROUND BONE.

A valuable fertilizer, especially for lawns, vines and fruit trees. Per 100 lbs., \$2.00. Per ton, \$37.00

## LAND PLASTER.

Price—Bag of 200 lbs., \$1.00; ton, \$ 9.50.  
Bag of 100 lbs., .55; ton, 10.50.

## ASHES.

Unleached, hard wood ashes, put up in 100 lb. bags.  
Especially valuable for lawns.

Per 100 lbs., \$1.00.

## SHEEP MANURE.

A pure, natural manure, and the most nutritious food for plants. Its effect is immediate and lasting; it is clean to handle, and is the best of all manures for mixing with the soil for greenhouse plants. As a lawn top-dressing it is unequalled. For mixing with soil, take one part of manure to six parts soil. For making a liquid, take one pound manure to five gallons of water which can be used with safety daily, if necessary. Price, pkg. of 6 lbs., 25 cents; per 100 lbs., \$2.00.

## AGRICULTURAL LIME.

Especially prepared for agricultural purposes, and, being finely ground, it can be used in any broadcaster.

Many plants, such as beet, spinach, lettuce, onions, parsnip, cabbage, cucumbers, potatoes, peas, beans, turnip, carrots, corn and all grains, show a decided increase, and are greatly benefited by the use of lime, as it corrects all acidity of the soil, sweetening it, and freeing it from impurities.

**HOW TO TEST THE SOIL FOR ACIDITY.**—Take a little soil from the field and place it in a saucer, moisten it well with water and place in it a piece of blue litmus paper. If within twenty-four hours the litmus paper changes to a red color, the soil is acid and an application of lime should be added at the rate of from 1,000 to 2,000 pounds per acre.

Lime properly applied at certain intervals will be found a most perfect renovator, one that can be relied upon. For the ordinary piece of land that requires lime it will be found that once in the rotation of crops, or, say once in four years, is as often as lime should be applied, as it will hold the land in its proper condition for that length of time. Price, 100 lb. bags, 60c.; ton, \$10.00.

## BORDEAUX LIME.

Prepared expressly for use in making Bordeaux Mixture; is finely powdered, and ready for immediate use. Price, 100 lb. bags, 85c.

## BOWKER'S PLANT FOOD.

For Stimulating Growth and Rapidly Developing the Plant Organism.

This food is composed of all the constituents requisite for perfecting the growth of all flowering plants.

15c. and 25c. per package.

## INSECTICIDES.

**Fir-Tree Oil.**—Price,  $\frac{1}{2}$  pint, 40c.; pint, 75c.  
**Hellebore.**—Price,  $\frac{1}{2}$  lb. pkg., 15c.; 1 lb. pkg., 25c.  
**Paris Green.**—Price, 30c. per lb.  
**London Purple.**—Price, 20c. per lb.  
**Leggett's Fungiroid.**—Price, 20c. per lb.  
**Sulphur, Powdered.**—Price, 8c. per lb.; 10 lb. pkg., 60c.

**Tobacco Soap.**—Price, 40c. per lb.  
**Tobacco Dust.**—Price, 10c. per lb.; 5 lb. pkg., 30c.  
**Tobacco Stems.**—Price, \$1.50 per 100 lbs.  
**Sulpho-Tobacco Soap.**—Price, 3-oz. cake, 10c.; 8-oz. cake, 25c.

# BORDEAUX MIXTURE.

**Bordeaux Mixture** is a preventive of Potato Blight, Potato Rot, Mildew, Leaf Blight of Shrubs and Fruit Trees, and, in fact, for all fungoid diseases. Apply as a fine spray to all parts of the plants liable to be affected.

One gallon makes fifty by the addition of cold water.

Price: "Sterlingworth" and "Lion Brand," qt., 40 cts.; gal., \$1.00; in five-gal. cans, 80 cts. per gal.; in barrels of about fifty gal., 50 cts. per gal.



## INCARNATIVE SHEEP DIP.

A highly-concentrated, non-poisonous liquid for sheep-washing purposes—killing Ticks and Lice, curing Scab and promoting the growth of Wool and Flesh. Used also for Cattle, Horses, Pigs, Fowls, Dogs, etc. A protector of sown seed from Birds, Slugs and "Smut." Does not require heating nor any preparation—simply add cold water and it is ready for use. Easily applied and always effective.

Price: 1-qt. can, 75 cents; 2-qt. can, \$1.25; per gal., \$2.25.

## Sterlingworth Whale Oil Soap and Tobacco.



Is a compound of Whale Oil and Fish Oil, the efficiency of which is greatly increased by the addition of tobacco extractive matter, is a most effective, reliable and cheap remedy for destroying San Jose Scale, Oyster Shell Scale, Plant Lice, and all sucking insects on trees, shrubs, plants, vines, rose bushes, etc. It is put up in tightly sealed, boxes, which conserves the strength of the soap almost indefinitely. Directions for use on every package. Price: 1 lb. box, 20 cents.

## STERLINGWORTH WEED KILLER.

Sterlingworth Weed Killer is a most satisfactory and powerful weed killer, compounded especially for use on walks, drives, tennis courts, golf links, etc. It is a dry powder to be dissolved in water. When applied to vegetation it completely destroys all kinds of weeds, grass and other objectionable vegetable growths. It may be applied with an ordinary watering can. One gallon covers three to four square yards.



Prices: 1 lb. package (makes 15 gals.), 50 cts.

**"NICO-FUME" TOBACCO-PAPER INSECTICIDE.** For fumigating greenhouse. "Nico Fume" is packed in special friction-top tins and is sold as follows: 24 sheets, 75c.; tin containing 144 sheets, \$3.50.

**"NICO-FUME" LIQUID.**  $\frac{1}{4}$  pint, 50c.; pint, \$1.50

## STERLINGWORTH PLANT TABLETS

### A NEW INVIGORATOR FOR HOUSE PLANTS AND VEGETABLES

**STERLINGWORTH PLANT TABLETS** are a clean, odorless, concentrated, plant stimulant and invigorator. Their use promotes healthy, vigorous leaves and branches, and insures beautiful, luxuriant flowers. They build up the soil scientifically, and make frequent renewal of soil less important. The large amounts of waste matter in what is commonly known as "liquid manure," and "bone plant foods," which pollute the soil, and are many times accompanied by disagreeable odors, are absent in these excellent stimulating tablets. If you want luxuriant, healthy plants, ferns and beautiful flowers, these tablets are just what you are looking for.

**PRICES:** Large box (250 tablets) sufficient for 35 plants 8 months, 50c postpaid medium, (100 tablets) sufficient for 35 plants 3 months, 25c postpaid; trial size, 10c.

## STERLINGWORTH LAWN COMPOUND.

This preparation, when applied to weedy lawns, will adhere to the rough, hairy leaves of **Dandelions, Plantains**, etc., and, by absorbing all the sap, destroy them beyond recovery.

### DIRECTIONS FOR USE.

Apply during bright, dry weather with a prospect of 24 to 48 hours settled weather. The grass should be cut previous to application. To Dandelions and Plantains, apply a heaped teaspoonful or more to each of the crowns, according to the size of the weeds. For Chickweeds and Moss, apply with the hand, distributing evenly about five ounces for every square yard. Gauge the quantity according to the number of weeds. Repeat the application if any escape the first dressing. The weeds soon wither and disappear. Apply in dry weather; the hotter the weather the quicker the weeds are killed. **Should the weather continue dry beyond 48 hours after application, the grass should be well watered.**

### Price.

5 lb. package, . . . . .	\$ .60	50 lb. package, . . . . .	\$4.00
10 lb. package, . . . . .	1.00	100 lb. package, . . . . .	7.50



# “BUG DEATH.”

The multiplication of insect pests and increase of fungous diseases place the question of spraying outside the line of debate. *It must be resorted to. It is the only salvation of the fruit, vegetable or crop producer. Spraying is a necessity for successful cropping.* There is one insecticide on the market, absolutely harmless to animal life, which will kill the bugs and insects, protect the life of the leaves and plants, increase the yield, insure highest quality and promote the vigor of the plant or tree.

Bug Death will do all this, for it is the only insecticide on the market which feeds and strengthens the leaves while destroying the pests which otherwise would destroy the crop, killing the potato, squash and cucumber bug, currant and tomato worm, and all other plant and vine-eating pests.



Pat. March 16 and Nov. 9, 1897.

#### DIRECTIONS FOR SPRAYING ONE ACRE OF POTATOES.

Fill a pail holding about 12 quarts, half full of water. Stir 15 to 25 pounds of Bug Death into this water. Fill sprayer tank nearly full with clear water, then pour Bug Death from bucket into tank and start machine at once, being sure that the agitator is working properly.

#### DIRECTIONS FOR SPRAYING ONE ACRE OF POTATOES WITH BUG DEATH AND BORDEAUX MIXTURE.

Dissolve 6 pounds copper sulphate (blue vitriol) in 6 gallons of water. Slack 6 lbs. lump lime, slowly adding water as it slacks, being careful not to burn the lime. When thoroughly slackened strain it to remove any lumps before it goes into sprayer. When ready to spray, fill tank two-thirds full of clear water and add the 6 gallons blue vitriol water. Next put in 15 to 25 pounds Bug Death (first mix Bug Death in pail of water, same as under directions for using Bug Death alone). Fill tank almost full of clear water; lastly put in the lime water. Stir well and start machine at once, being sure that agitator is working properly.

*The above solution, if properly applied, will prevent blight on potatoes, tomatoes, etc.*

#### IF USED DRY

apply with Dickey Bug Death Duster; 12½ to 25 pounds per acre, per application. Dust plant evenly and thoroughly. The more freely used the better the plant will thrive, as the increased yield and improved quality more than pays the expense. A perfectly sure, safe, effective insecticide.

1 pound package,	\$ .15	5 pound package,	\$ .50	100 pound keg,	\$ 6.50
3 " "	.35	12 ½ "	"	1.00	



#### DICKEY BUG DEATH DUSTER.

Price, . . . . . 25c.

#### ARSENATE OF LEAD.

The latest and one of the best known insecticides for leaf-eating insects, such as Elm Leaf Beetle, Gypsy and Brown tail Moths, Canker Worm, Codding Moth, Tent Caterpillar and Potato Bug, as it adheres to the foliage for a long time.

On large trees, the best results are obtained by a nozzle giving a fine, mist-like spray. Spray until the leaves commence to drip, and then stop. Select a warm, dry day, so that the insecticide will have a chance to dry on the foliage.

#### PRICES.

1 pound package,	\$ .20	25 pound keg,	\$ 3.75
2 pound package,	.38	50 pound keg,	6.50
5 pound package,	.90	100 pound keg,	12.00
10 pound keg,	1.60		

Price for larger quantities on application.

# FARMOGERM.

## Nitrogen Gathering Bacteria.

It is well known that nitrogen is the most expensive of fertilizing elements. It is also known that it is the plant food in which most soils are deficient. By moistening the seed of any leguminous crop to be planted with Farmogerm, not only is the immediate crop benefited by this pure culture of nitrogen-gathering bacteria, but the soil is enriched in nitrogen which will be available for future crops of any kind for two or three seasons.

Bacteria produce nodules on the roots of legumes such as peas, beans, clovers, etc. The nodules are 8% pure nitrates.

Bacteria make nodules; nodules mean nitrates; nitrates mean big crops.

Prepared for alfalfa, alsike, crimson, red and white clover, Canada field peas, cow peas, velvet beans, vetch, garden beans, garden peas, sweet peas and other legumes.

### PRICE:

Acre size, \$2.00 each; garden sizes, 50c. each.

*In ordering be sure to state what legume you wish to plant.*

# Tree Tanglefoot.

A safeguard for trees, shrubs, etc., against the gypsy moth, canker worm, and all climbing insect pests. It should be applied before the foliage appears, a continuous band two inches in width being put around the trunk of the trees, three or four feet from the ground. It is easily applied with a small wooden paddle. One pound will make a band seven to eight feet long. Perfectly harmless to the trunk and remains sticky during hot, cold, or wet weather.

### PRICE:

1 pound can, . . . . .	.30	10 pound can, . . . . .	\$2.65
3 " " " . . . . .	.85	.20 " " " . . . . .	4.80

# EUREKA FLY KILLER.

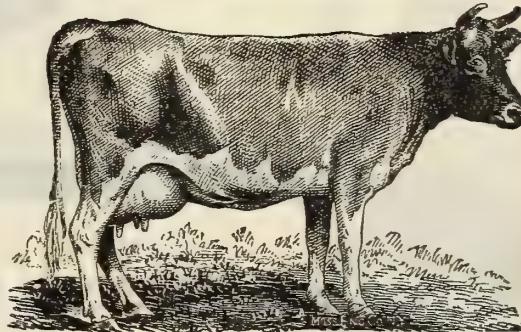
Will protect horses and cattle from the annoyance of flies, insects and vermin of all kinds. A much greater flow of milk obtained from cows kept free from the torment of flies.

As a disinfectant it will keep animals healthy.

Applied to the walls and ceilings of stables, where there are myriads of flies, they leave instantly.

Apply with any of our atomizers or sprayers.

Price, per gallon, 75 cents.



# Brown's Acme Cattle Oil.

Protects cattle and horses from flies. A sure and harmless preventive, easily applied with a sprayer.

Price, per quart can, 25c.; gallon, 75c.

Barrels of 50 gallons. Price on application.

# "Sterlingworth" Concentrated Lime and Sulphur Wash.

Ready for use by simply adding water. No heating is necessary.

Lime and sulphur is a preventive of certain fungus diseases, as peach leaf-curl, ground and bitter rot, smuts, scabs, leaf spot, etc., and is used as a wash for the bark of the trunks of orchard and shade trees, where it acts as a repellent of many insect pests and prevents their ascending to the branches.

Lime and sulphur is also an insecticide of value when used against the caterpillar and canker worm, the larvæ of the codlin moth and bud moth and other pests, that remain in a dormant state in the winter on the bark.

**Prices:** 1 gallon cans, 75 cents; 5 gallon jacket cans, \$2.25; 10 gallon jacket cans, \$4.00; 25 gallon kegs, \$6.50; 50 gallon barrels, \$12.00.



# "STERLINGWORTH" KEROSENE EMULSION.

A valuable remedy against Scale, Plant Lice, etc.

Price, pint can, 25c., 1 qt. can, 40c., 1 gal. can, \$1.00.

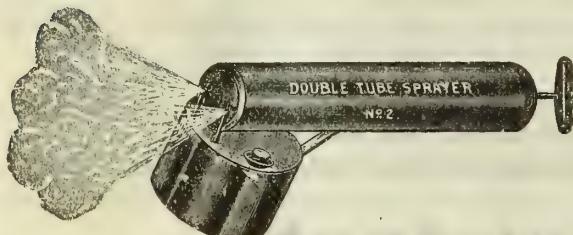


# SPRAYERS AND POWDER GUNS.

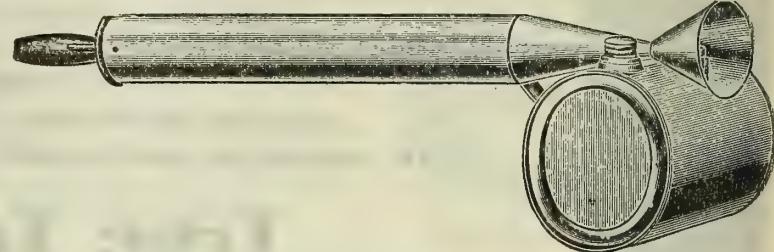
*For Spraying all Insecticides on Potato Vines, Shrubs, Small Trees, House Plants, Live Stock and Poultry.*

*A great Labor Saver on the Farm and in every Garden, Barn, Greenhouse, Orchard and Hennery.*

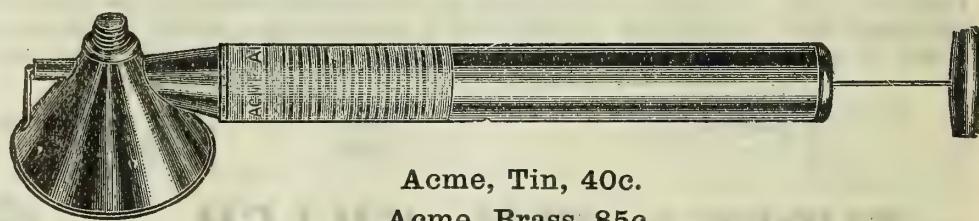
Will apply the finest possible spray on any object desired, and exterminate any kind of insect life.



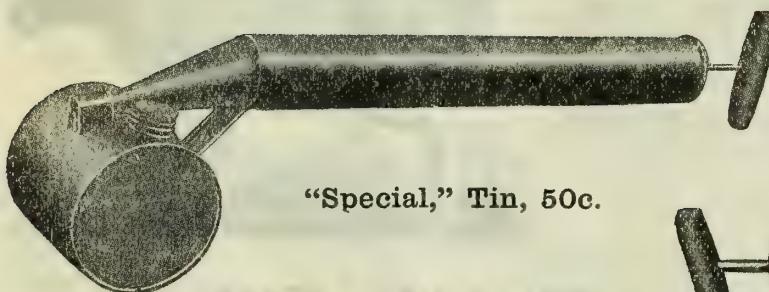
Perfection, Tin, Double Tube,  
Galvanized Tank, 50c.



"K. & W." Tin, 40c.



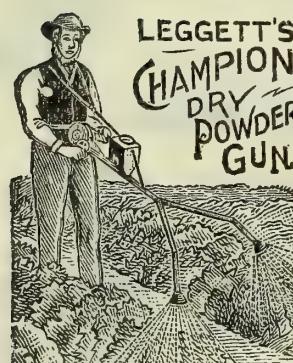
Acme, Tin, 40c.  
Acme, Brass, 85c.



"Special," Tin, 50c.



"Continuous," Tin, 75c.



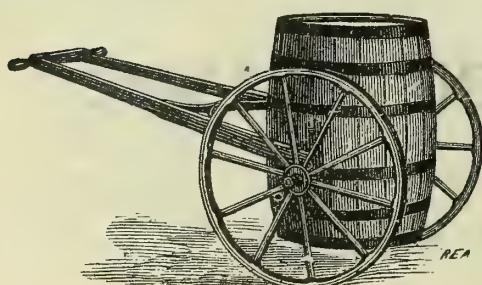
## LEGGETT'S CHAMPION DRY POWDER GUN.

Will cover two rows of potatoes at once, as fast as a man walks. Adjustable to any width of row. Distributes Paris green, hellebore, sulphur, lime, "fungiroid," tobacco dust, etc.

Price, \$8.00



Acme Powder Gun, 75c.



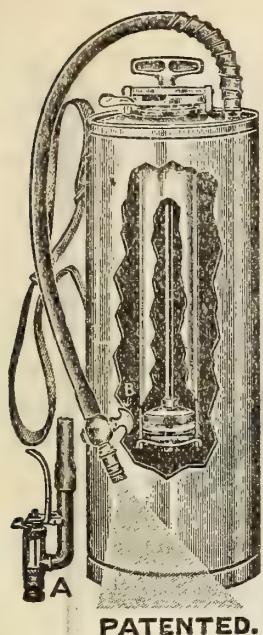
## WATER BARREL TRUCK, ETC.

### Combined Sprinkler and Hand-Cart.

Truck without barrel, but including one pair trunnions, . . . . .	\$ 8.50
Truck and barrel, complete, wheel 2½ in. tire, . . . . .	11.25
Truck and barrel with sprinkler, . . . . .	14.75
Truck and barrel with hand-cart box, . . . . .	14.50
Truck and barrel with leaf-rack, . . . . .	16.75
Barrel trunnions, per pair, . . . . .	.40

## “AUTO-SPRAY.”

A practical compressed air sprayer, indispensable in the fullest variety for spraying shrubs, growing crops, greenhouses, etc. The pump is of large capacity, and the pumpings of eight or twelve strokes of the plunger will charge the tank and deliver the solution under high pressure. Capacity of tank, three gallons of solution. Furnished in brass or galvanized iron. Style with auto-pop recommended.



### PRICES:

<b>Auto-Spray No. 1A.</b> Brass tank with stop-cock,	· · · · ·	\$6.50
<b>Auto-Spray No. 1B.</b> Brass tank with auto-pop,	· · · · ·	7.50
<b>Auto-Spray No. 1C.</b> Galvanized tank with stop-cock,	· · · · ·	4.50
<b>Auto-Spray No. 1D.</b> Galvanized tank with auto-pop,	· · · · ·	5.50
<b>2-ft. Brass Extension,</b>	· · · · ·	.50
<b>Brass Elbow,</b>	· · · · ·	.50



AUTO EXTENSION.

## “WILL-SPRAY.”

### COMPRESSED AIR SPRAYER.

Consists of a heavy galvanized steel or brass tank as ordered. The tank is thoroughly riveted and soldered, and the pump cylinder, discharge pipe, and all the working parts that come in contact with the solution are made of brass. Capacity of tank is four gallons. Fill within one-third of top, leaving balance for air space. Eight to ten strokes of the plunger will compress the air and two pumpings will discharge the entire contents, doing effective work on growing crops, small trees and shrubs of all kinds.

### PRICES:

<b>Brass Tank,</b>	· · · · ·	\$6.50
<b>Galvanized Steel Tank,</b>	· · · · ·	4.00



“WILL-SPRAY.”

## “KANT-KLOG.”

Sprayer body is made of heavy polished brass or galvanized steel, as desired. Top and bottom are dome shaped, joined to body under heavy pressure, making a complete double seam. The body is supported and further strengthened by a heavy steel band around the bottom.

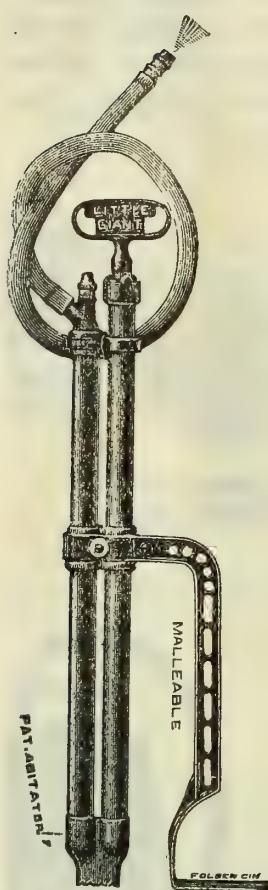
<b>Price of Style G,</b> with galvanized steel body, brass air pump, hose, escape valve, “Kant-Klog” nozzle, spring shut-off and carrier strap,	· · · · ·	\$4.00
<b>Polished Brass Body,</b> with same attachments,	· · · · ·	6.00
<b>3-ft. Brass Extension,</b>	· · · · ·	.50
<b>Brass Elbow,</b>	· · · · ·	.50

“KANT-KLOG.” Style G.

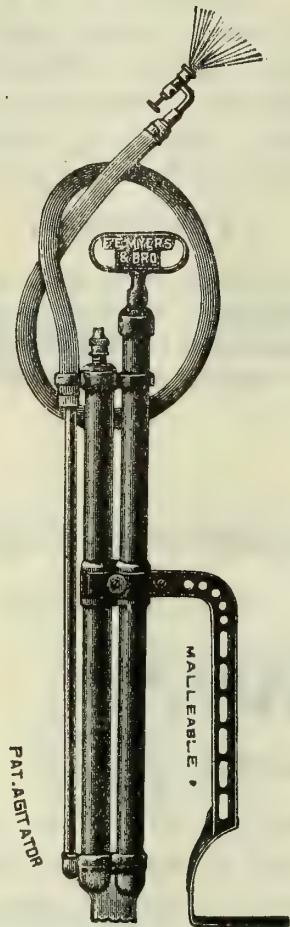
## JUNIOR SPRAY PUMP No. 5.

*All brass suction, working within a brass cylinder with all brass valves. Price, \$2.50.*

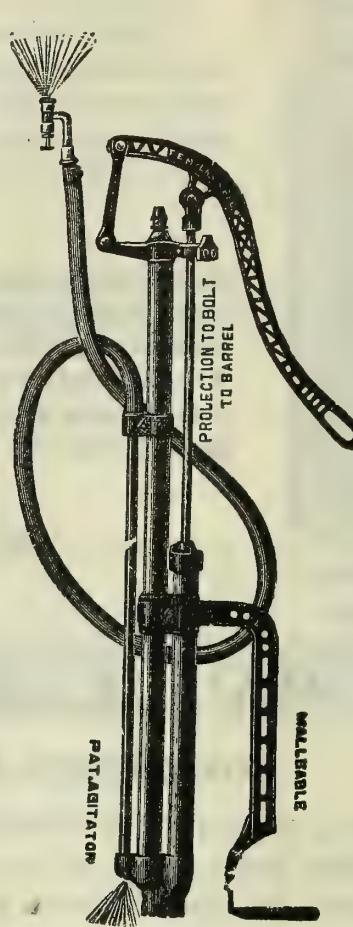
## SPRAY PUMPS.



No. 327 1-2.



No. 325.



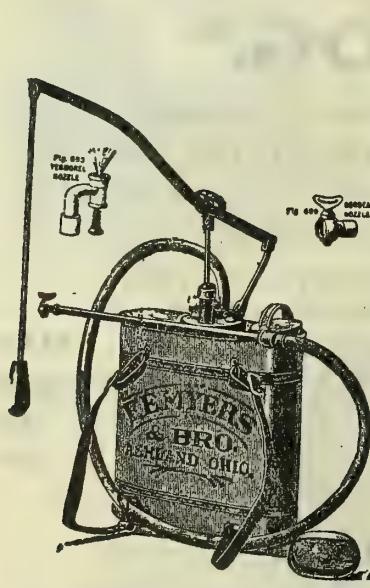
No. 324.

**No. 327 1-2.** Little Giant Brass Spray Pump, with agitator, complete with hose and Imperial combination fine and coarse spray and solid stream nozzle. **Price, \$2.50.**

**No. 325.** Myers Imperial Brass Spray Pump, with agitator, complete with hose and graduating Vermorel fine and coarse spray and solid stream nozzle and *malleable* foot rest. **Price, \$3.00.**

**No. 324.** Myers Lever Brass Spray Pump, with agitator, complete with hose and graduating Vermorel fine and coarse spray and solid stream nozzle. **Price, \$3.75.**

Price, fitted with *Bordeaux* nozzle for spraying whitewash, **75c.** additional.

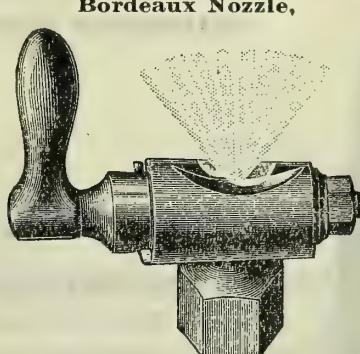


Myers Knapsack Spray Pump.



Long Distance Nozzle.

75c.

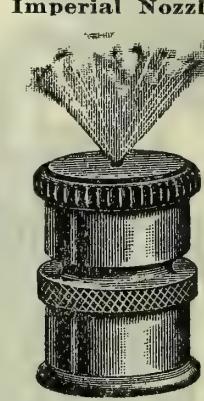


75c.

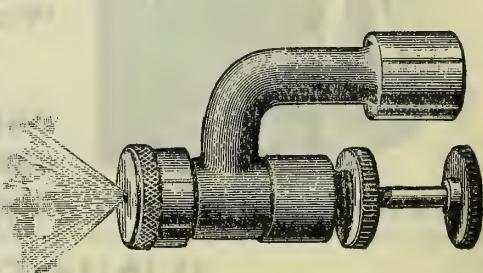
Cyclone Nozzle.



60c.



40c.

8-ft. Pipe Extension.  
40c.Myers Graduating Spray Nozzle.  
175c.

## SPRAY PUMPS.

**No. 305 1-2.** A spray pump of a construction that is the very best in all its parts, being self-contained and ready for operation, when bolted to the staves of a barrel. The construction is such that the entire pump sets inside the barrel containing the liquid, being bolted fast at its upper end to the barrel staves.

Has bronze ball valves and brass seats; the plunger, cylinder, and discharge pipe are all brass. The air chamber is 30 inches in length, enabling the pump to throw a powerful, uniform, constant and elastic spray. Identical with No. 305 pump of last season, except equipped with 15 feet of best quality rubber hose. **Price (without barrel), \$7.50.**

**Myers O. K.** The handle is wrought steel, with adjustable stroke, so as to enable the operator to get up a pressure of 200 lbs. or more if necessary. It is fitted for two leads of discharge hose.

**Price**—Without hose or barrel, but fitted with graduating spray nozzles, and couplings, . . . . . **\$13.50**  
Superior hose, per foot, . . . . . **.12**

**No. 329.** Whitewash, Cold Water Painting Machine and General Purpose Sprayer, with patent double agitator; a most complete and serviceable outfit. The tank is made of heavy galvanized iron with a wide bottom, so as to set steady in operation. The cover is removable, is held securely in place by two spring wire catches, one on each side, which holds the cover tight and prevents any spilling or splashing of the liquid. Holds 7 gallons and is fitted with Bordeaux nozzle, brass ball valves, and has both jet and dasher agitator.

**No. 305 1-2.**

**Price, \$7.00**

**No. 330.** Myers Knapsack Spray Pump, fitted with 5 ft.  $\frac{1}{2}$  inch hose, pipe extension and Bordeaux or graduating Vermorel spray nozzle, which can be graduated from a fine mist spray to a solid stream, or shut off entirely. **Price, \$5.75.**

**No. 331.** Myers Perfect Knapsack Spray Pump, made with **Copper Tank**. Complete with hose, stop-cock, pipe extension and Bordeaux or graduating Vermorel nozzle. **Price, \$9.00.**



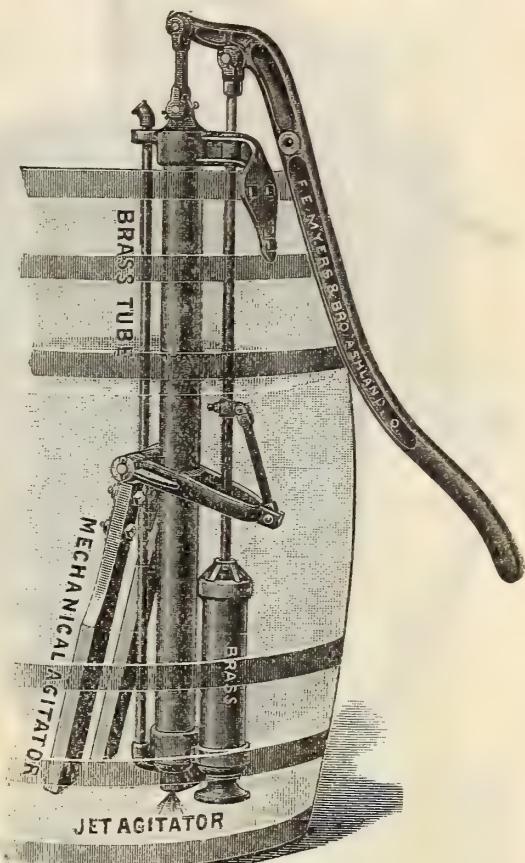
No. 329.

**No. 18.** This machine is designed for the application of cold water paints, whitewash to buildings, as well as for spraying solutions to trees, etc.

The pump is made entirely of brass, making it non-corrosive and practically indestructible. There is an agitator near the bottom of the pump which works automatically by the handle and keeps the solution thoroughly mixed.

The valves and valve seats are of brass and can be changed and repaired very easily. The pump has a large brass tube which gives it the largest air chamber possible. The reservoir is made of the best quality of galvanized steel, a little heavier than is usually used on this style of sprayer.

**Price, . . . . . \$10.00**



**No. 305 1-2.**

**Price, \$7.00**



No. 18.



No. 25.

## “WILL-SPRAY.”

**No. 25.** Is a barrel pump adapted to every kind of spraying.

Being of the plunger style it is capable of handling heavy solutions such as Bordeaux mixture, lime, whitewash and paint, and is fitted with an improved agitator, preventing solids forming in the bottom of the barrel.

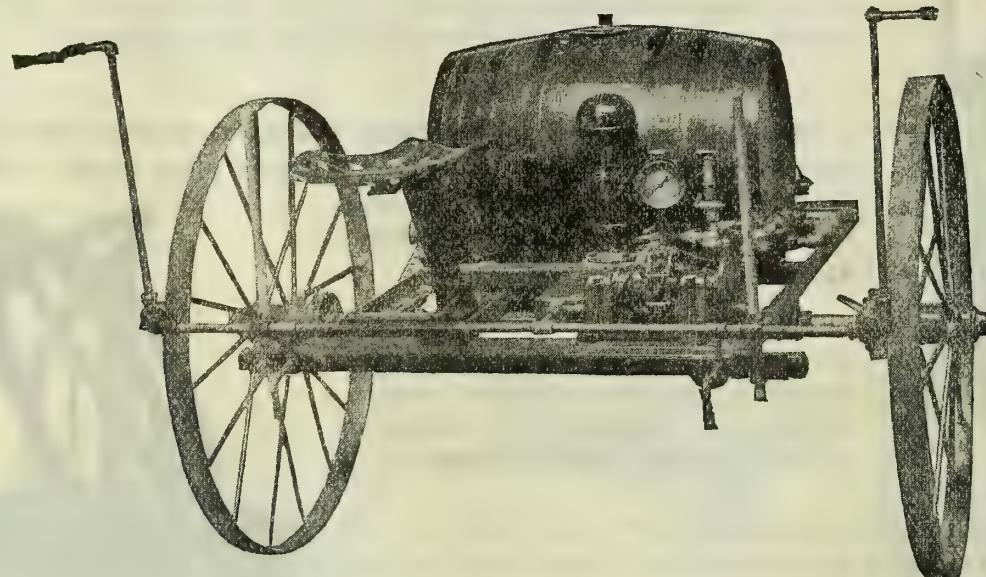
The pump is provided with a drip cock, which renders cleaning of pump easy, and left open at close of season prevents any damage to cylinder from freezing, and as a general purpose sprayer is one of the best offered.

### Price:

Complete with barrel, rubber hose, nozzle, pressure gage, and bamboo extension, **\$25.00**

## “WILL-SPRAY.”

### No. 14B. DOUBLE ACTION PUMP.



Has steel wheels 44 inches in diameter. Power is obtained from the revolution of either drive wheel by the principle of chain drive from sprocket wheel. Is fitted with safety valve, pressure gauge and relief cock, is provided with potato-spraying attachment for four or six rows, as ordered, and will be shipped with either pole or shafts.

The extra pumping capacity of this machine permits the use of a longer spray beam, increasing the quantity of work over a single action pump about 50%.

For uses where a powerful sprayer is required, and for large operations, we recommend the No. 14B.

Made in two sizes, 50 and 75 gallon solution tanks.

### PRICES:

<b>No. 14B.</b> Brass piping, 50 gallon solution tank,	<b>\$85.00</b>
<b>No. 14B.</b> Brass piping, 75 gallon solution tank,	<b>90.00</b>
<b>No. 14B.</b> Galvanized piping, single action pump,	<b>68.00</b>

Every Machine Fully Warranted.

**“WILL-SPRAY.”**

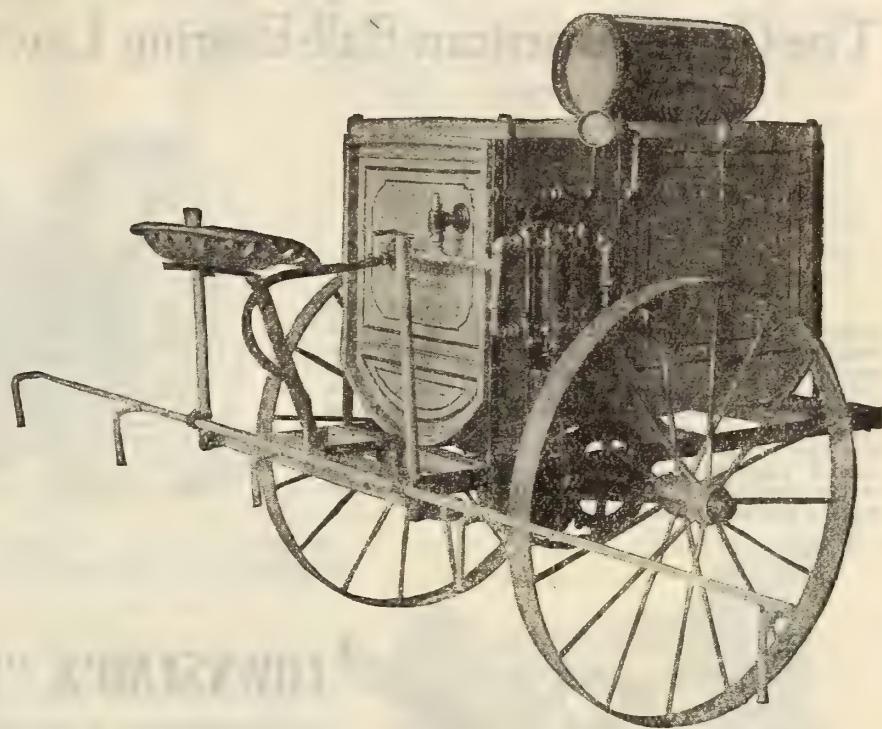
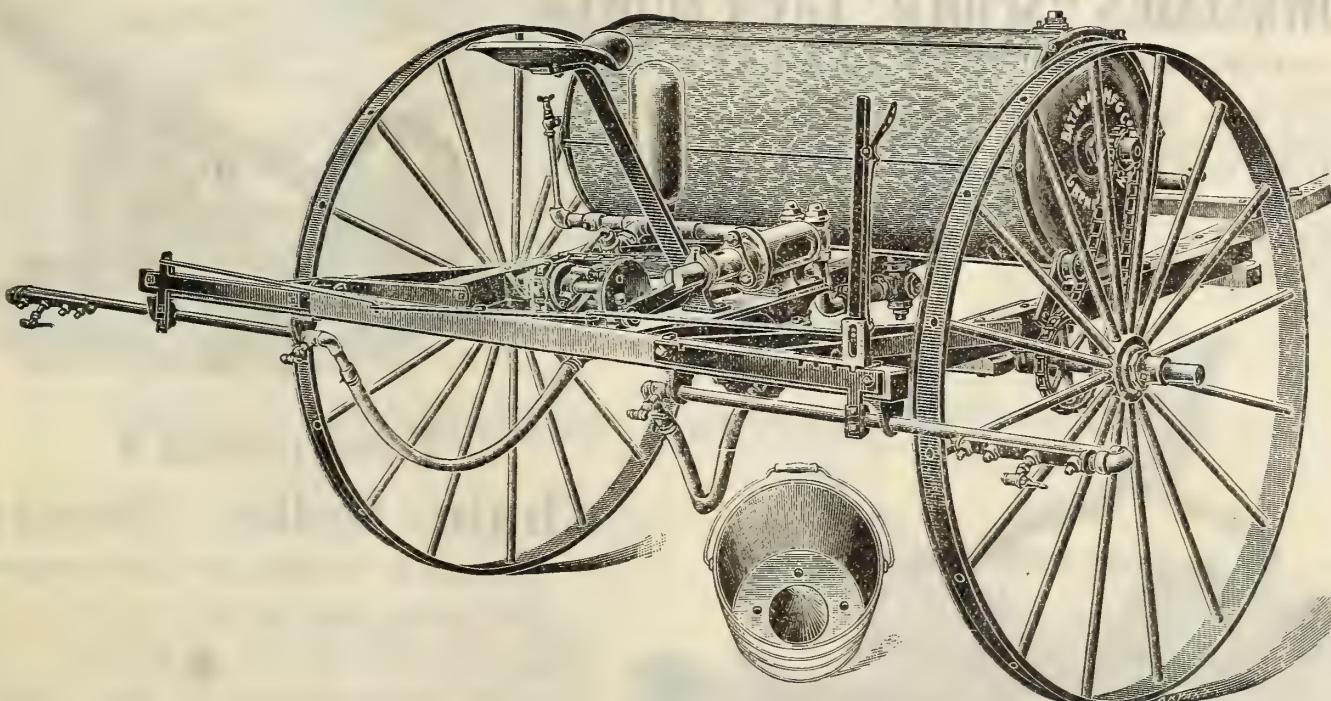
No. 20.

The solution tank is made of clear cypress, holding 100 gallons, and will outlast the barrel or steel tank commonly used. It is provided with a brass strainer, and a plug is placed under the tank for cleaning or emptying same. The entire piping is of brass and the machine is equipped with a 200-pound pressure gauge and safety valve. The pump being double acting, the stroke is constant and there is no pounding or uneven use of power. The draft is lighter than that of any other machine made, although the solution tank has a capacity of 100 gallons. The seat is so arranged that the balance for the machine is maintained by changing the position of a heavy or light man. The potato attachment is made of brass.

This machine is designed for handling Bordeaux, Paris Green, lime, sulphur, sulphate of iron and copper, or any other solution, and the mechanical agitator is driven by an eccentric always in operation when the machine is moving, which keeps the solution thoroughly mixed. **Price, \$125.00.**

**“Will-Spray,” No. 16.** Similar in construction to No. 20, except that it has two double action pumps, one on each side of the machine. All its parts are made to correspond with its pumping capacity, making it the strongest, the most powerful two-wheel traction sprayer ever brought out. The machine is piped throughout with brass pipe, and is fitted with pressure gauge and relief valve.

It has a 150 gallon solution tank. This machine is fitted with a 30 gallon electrically brazed air chamber guaranteed to be air tight. While it will spray all orchard and field crops, it is designed more particularly for the spraying of large orchards containing fully matured trees, being sufficiently strong to deliver a spray which will penetrate the buds and the leaves of the uppermost branches. **Price, \$150.00.**

**THE “IRON AGE” FOUR-ROW SPRAYER.**

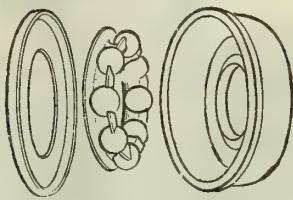
The sprayer has become in recent years as valuable an implement to the farmer, in successfully and economically raising a crop of potatoes, as any other implement. As our readers will notice from the cut, there have been introduced some new and valuable features which will help to make the growing of potatoes still more certain and profitable. **Price—With Wooden or Galvanized Iron Tank, \$73.00.**

Bucket strainer attachment, \$1.75      Orchard attachment, \$7.00      Tongue attachments, \$5.00  
 For sprayer equipped with four twin nozzles, instead of four single nozzles, add to the above price, \$6.00

**SEND FOR ILLUSTRATED CIRCULAR AND PRICE LIST.**

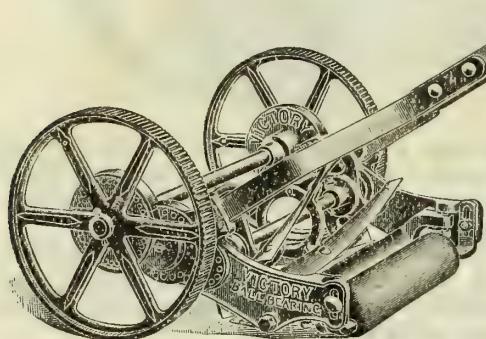
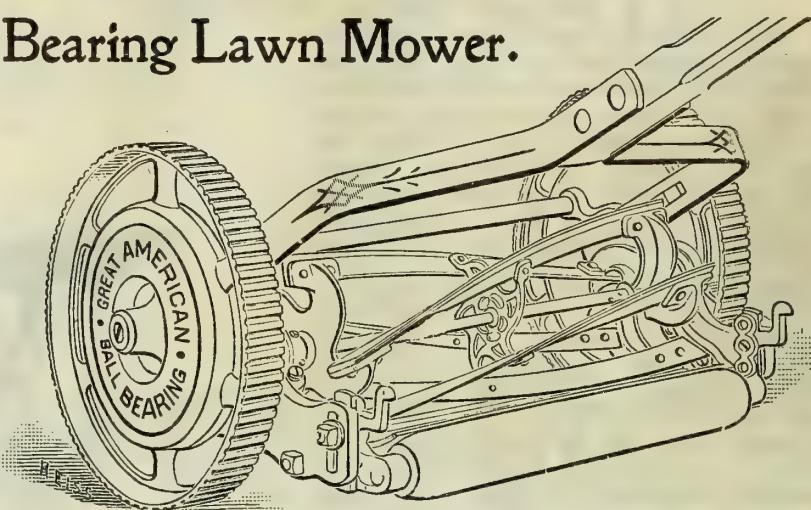
# LAWN MOWERS.

## The Great American Ball-Bearing Lawn Mower.



It is safe to say this lawn mower is built with as great a degree of perfection in regard to the ball-bearings as can be found in any bicycle manufactured, and the adjustment is unequalled. Has driving wheels 10 inches in diameter, steel balls of the highest grade placed in dust-proof, steel-covered cups, and open cylinder with five solid cast steel cutting knives. It is handsomely finished, and has a raised edge bed knife, making it positively self-sharpening. Constructed especially for use in parks and cemeteries.

Price, 15 inch.....	\$ 9.00	19 inch.....	\$11.00
17 " .....	10.00	21 " .....	12.00



## TOWNSEND'S "VICTORY" LAWN MOWER.

Constructed with ball bearings, of the very highest grade. Triple gear, entirely closed, and a removable cutter bar, which, by loosening four small screws, may be rolled out of the machine for sharpening without disturbing the frame.

Width of Cut:	14-in.	16-in.	18-in.	20-in.	22-in.	24-in.
Net Price:	\$7.50	\$8.50	\$9.00	\$9.50	\$10.50	\$11.50

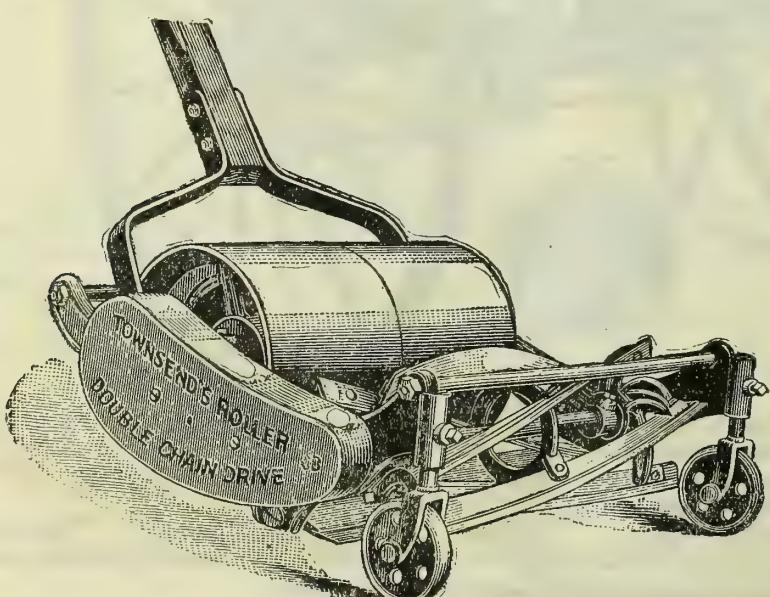
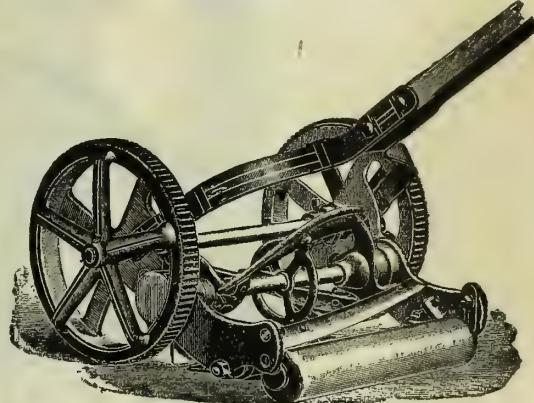
## TOWNSEND'S "SPIDER" LAWN MOWER.

Like the Victory, the "Spider" runs and cuts with ease and rapidity.

It is light, strong and finely made and adjusted, and is one of the best *medium priced* lawn mowers ever offered.

Is ball bearing, has nine-inch wheels, four-bladed open wiper, and a simple and easy adjustment.

Width of Cut:	12-in.	14-in.	16-in.	18-in.	20-in.
Net Price:	\$5.50	\$6.00	\$6.50	\$7.00	\$7.50



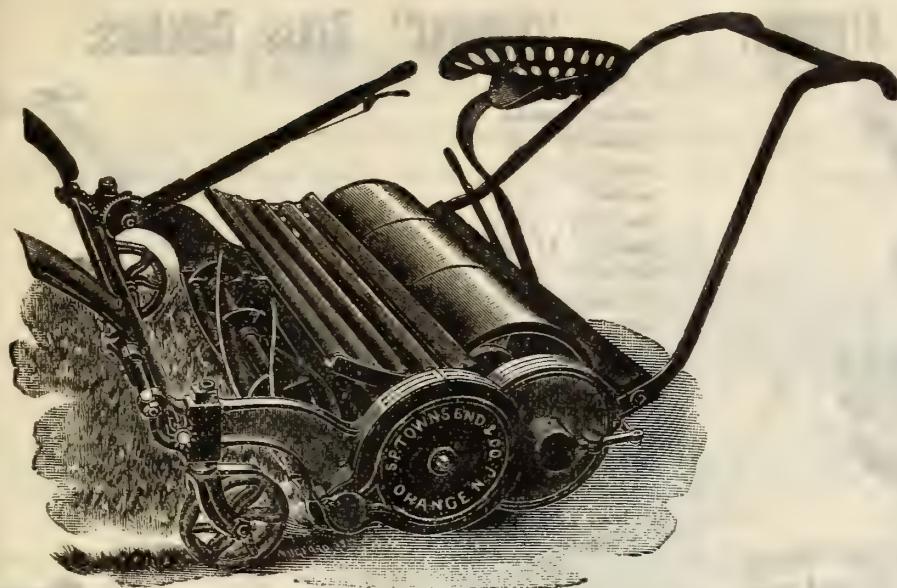
## Townsend's Chain Roller Mower.

Designed for Borders and Golf Greens.

Ball bearings of the very highest grade, double driving rolls, eight inches in diameter, sextuple ratchet, almost silent and indestructible, chain drive, light, strong, quiet and easy, and *completely shielded*.

This mower will cut close enough and clean enough to satisfy the most fastidious golfer, and it will run easier and will stay in perfect order longer than any other golf mower.

Sizes:	12-in.	14-in.	16-in.	18-in.
Prices:	\$11.00	\$12.50	\$13.50	\$14.50



## THE TOWNSEND

## Horse Lawn Mower.

The most perfectly constructed Horse Lawn Mower on the market. Triple rolls, with triple pawls in each roll, making a most powerful and instantaneous driving mechanism. Unlike other mowers, the motion of the blades is maintained even when turning sharp corners. The self-aligning journal boxes will be found in this mower only, and prevent cramping, a very common fault in Horse Lawn Mowers.

All machines are fitted complete with tool-box, seat, handles, shafts and slide-bar attachment, which keeps the horse on the cut grass.

Width of cut, 30 in., 35 in., 38 in.

*Write for Price List.*

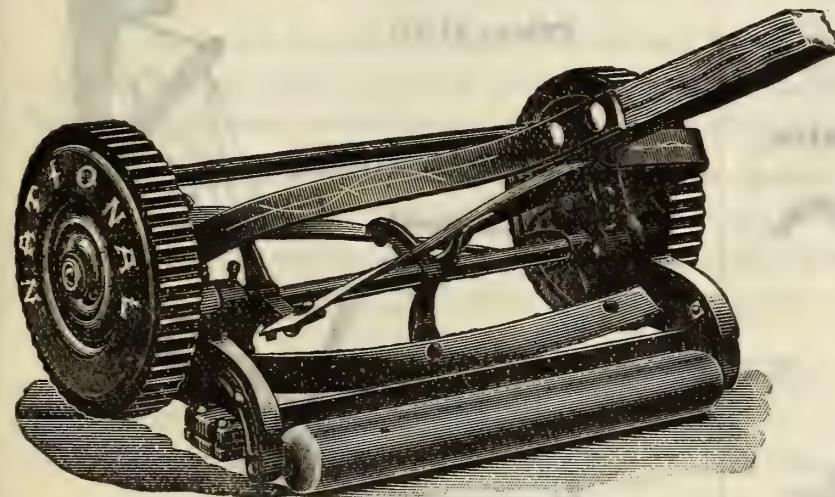
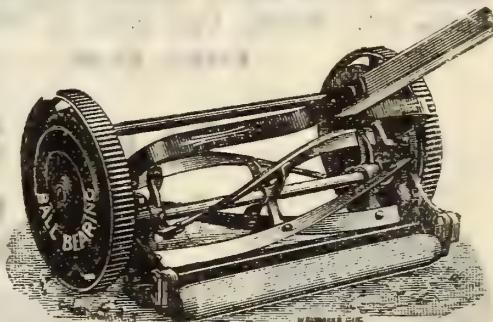
## CASCO BAY LAWN MOWER.

9-INCH WHEELS.

BALL BEARING.

6-INCH CUTTING REEL.

The cutting cylinder revolves in ball-bearing journals, thus reducing the friction to a minimum and consequently enabling the mower to be operated much easier than an ordinary mower. **One size only, 16-inch, price, \$5.50.**

NATIONAL  
Lawn Mower.

8-inch Wheels.

—The Combined Points are—

PRICE, SIMPLICITY,

DURABILITY, UTILITY.

Width of Cut.	Net Price.
12 inch.....	\$2.75
14 " .....	2.75
16 " .....	2.75
18 " .....	3.00

## Philadelphia Lawn Mowers.

## STYLE A.

Large open wiper, 10-inch wheel, train of three gears, and many other special advantages.

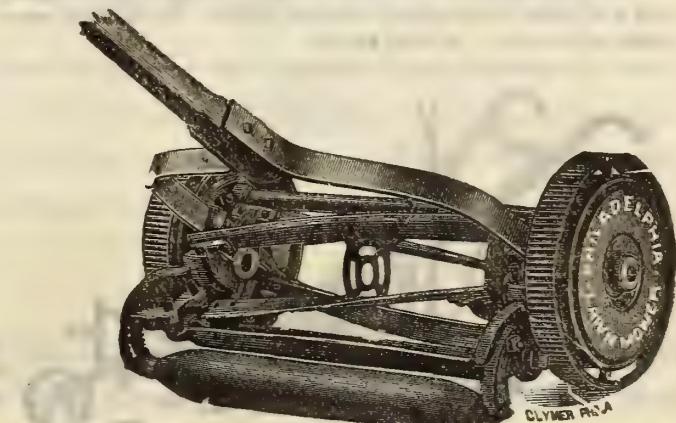
## STYLE C.

Has all the improvements, with four blades, open cylinder, and 8½-inch driving wheel.

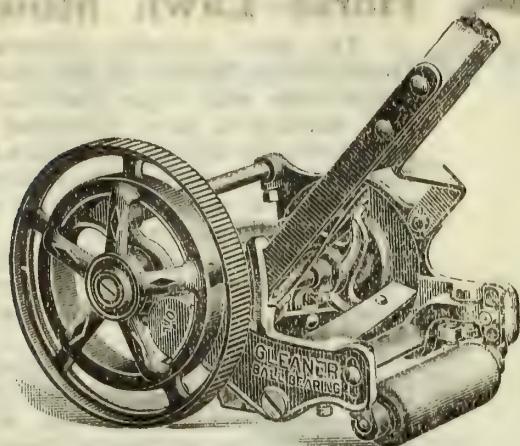
## STYLE K.

Open wiper, 10-inch wheel; five knives insuring a fine cut.

*Write for Quotations.*



## Townsend's "Gleaner" Lawn Trimmer.



Does what Lawn Mowers leave undone. Trims and edges the lawn with remarkable speed and perfection; 9-inch wheel, ball-bearing; 4 steel blades, 8-inch cut. Strictly high grade in every particular.

**Price, \$5.00.**

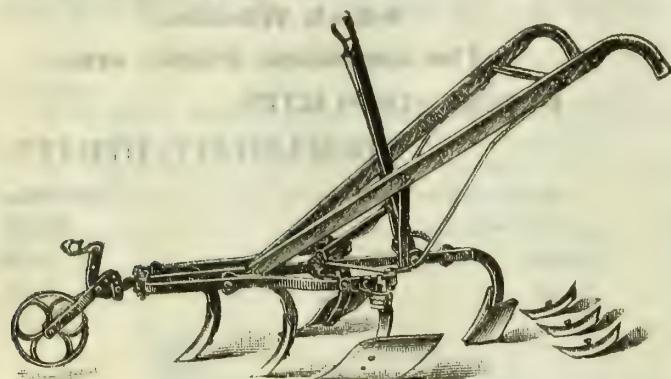


## The Eureka Seed Drill. For Kitchen Garden and Hot Bed.

Will sow and cover beets, cabbages, carrots, celery, lettuce, onions, radishes, spinach, turnips, etc.

**Price, \$1.25.**

## "DIXIE" Horse Hoe and Cultivator.



Frame, high and long, runs steadily, and clears easily. All attachments of solid steel, perfectly constructed, and will stand severe strain without injury. Expansion lever, quick adjustment. **Price, \$5.50.**



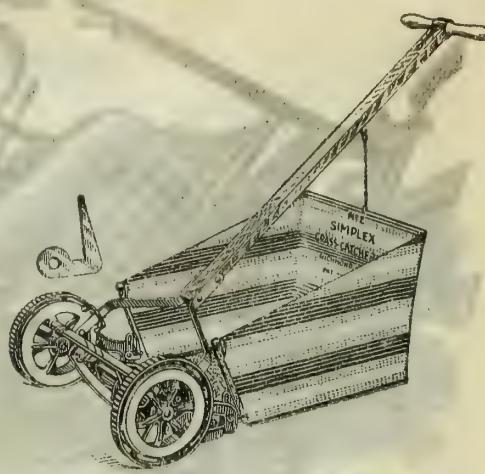
## "Simplex" Grass Catchers.

Will fit any mower made. Instantly attached and detached. Canvas body; galvanized iron bottom; combining strength with lightness.

No. 1 for 12, 14 and 16-inch mowers.

No. 2 for 16, 18 and 20-inch mowers.

**Price, \$1.25  
each.**

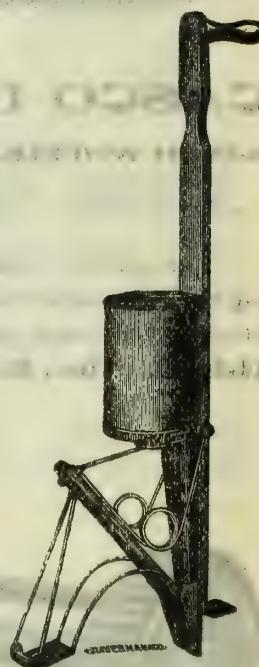


## ACME

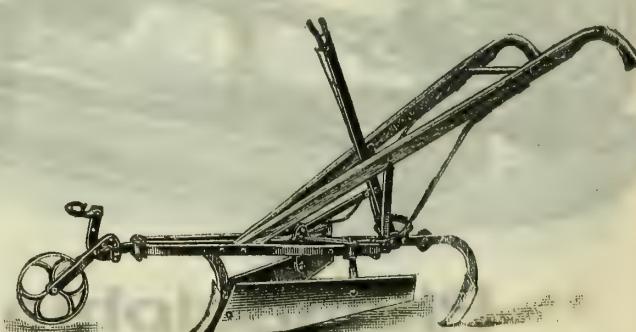
## Rotary Automatic Hand Corn Planter.

Capacity of hopper, two quarts. For planting corn, beans, peas and similar seed.

**Price, \$1.75.**



## "DIXIE," with Hilling Attachment.



The hilling attachment is applied by simply removing four standards and placing the standard of the hillier on the middle bar and attaching the short standards of the blades to the side bars. This attachment is used in cases where higher ridging is desired than what can be accomplished with the regular horse hoe blades.

**Price, \$6.25.**

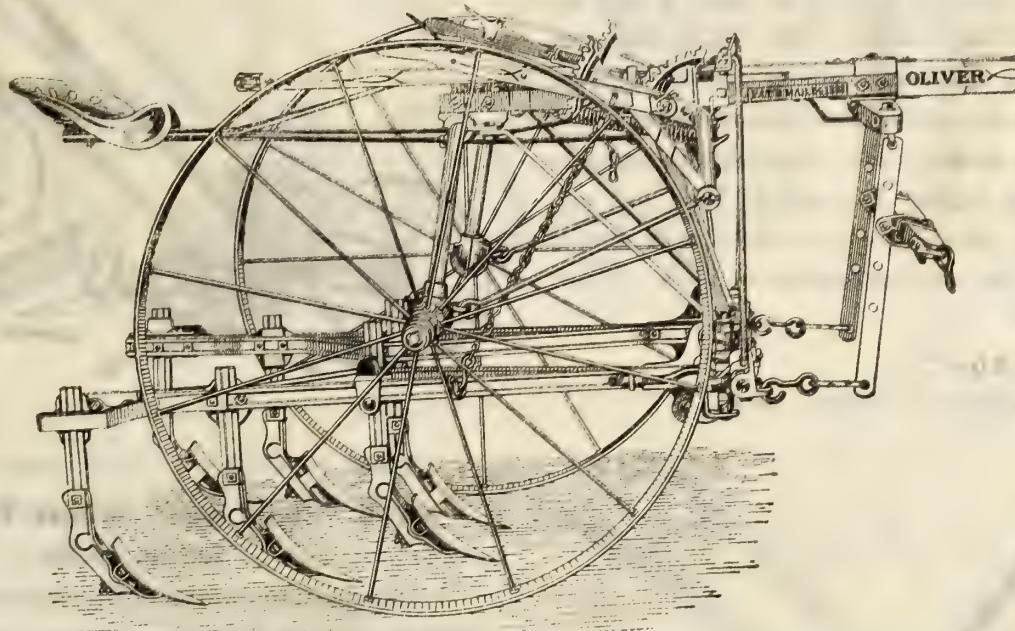
## DIAMOND TOOTH CULTIVATOR.

As plainly shown in cut, the teeth are diamond shaped, with a small cultivator tooth forged on one end—steel, of course. For very close work, every other tooth can be quickly removed. Cultivating width, when equipped with lever expander, 34 inches.

**Price, \$5.00.**

## RIDING CULTIVATORS.

The greatest labor-saving devices ever offered in the line of cultivators, adapted for all kinds of farmers in cultivating all kinds of crops, on hillside or plain,—in fact, to practically universal use.



### OLIVER RIDING CULTIVATOR.

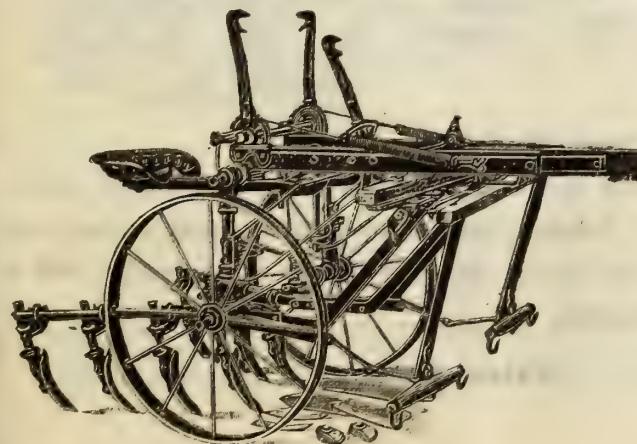
This cultivator has not only satisfactorily met factory tests, but it has gone out in the field and shown what it could do, and how well it could do it, and having been on the market and in actual service during three entire seasons, the field tests have been most extensively made.

The pivotal seat bar guides the frame and gangs, making unnecessary the use of hand lever, or complicated pivotal foot levers. The guiding of the cultivator, independent of the horses, is completely under the operator's control and the seat bar guide also automatically keeps the cultivator from drifting on hillsides, making it the easiest guiding cultivator made and the easiest raised and lowered.

#### PRICE.

Oliver, Trip Spring Hoe, Riding Cultivator, . . . . .	\$35.00
Oliver Disc Riding Cultivator, with six 14-inch or 16-inch discs, . . . . .	37.50

### “IRON AGE” RIDING CULTIVATOR.



Pivot wheels — ball-bearing — gang-adjusting lever, strong steel wheels, and, although it is light and simple in construction, it is very strong, and possesses advantages not contained in far more complicated tools.

#### PRICE.

Pivot Wheel Riding Cultivator with brake pins, . . . . .	\$34.00
Pivot Wheel Riding Cultivator with spring teeth, . . . . .	33.00
Pivot Wheel Riding Cultivator with trip spring hoe, . . . . .	39.00

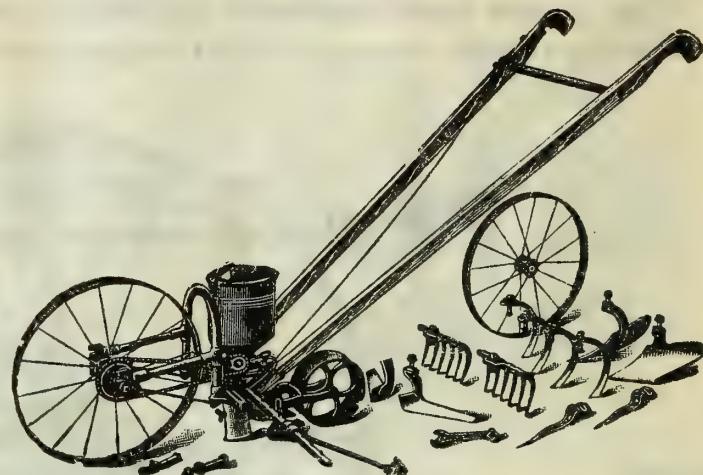
## “IRON AGE” GARDEN IMPLEMENTS.

### No. 4. “Iron Age” Combined Double and Single Wheel Hoe and Drill Seeder.

Remarkable for the variety of work it will accomplish, as it is very similar to the No. 6, excepting the opening plow and hill-dropping device. It does not place the seed in hills, but in continuous rows, and this feature makes it more desirable to some, as they do not wish to place the seed in hills, but prefer the saving in price. It can be used as a double or single wheel hoe, cultivator, rake or plow. Price, complete, \$11.00.

### No. 5. “Iron Age.”

As a drill seeder only. Price, \$8.00.



No. 4.



No. 9.

### No. 9. “Iron Age” Single Wheel Hoe. Price, \$5.25.

Is especially suitable for narrow rows, is light, strong, and for work done is very similar to No. 20. A weeder attachment for killing small weeds and pulverizing the soil may also be added.

### No. 10. “Iron Age.”

Plain, with hoes only. Price, \$3.25.

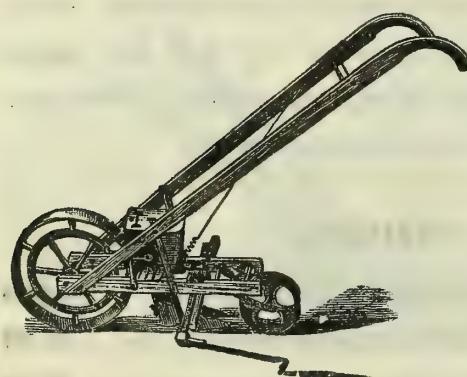


No. 8.

### No. 8. “Iron Age” Hill and Drill Seeder.

This tool is very desirable for the market gardener who prefers an implement for a seeder only. It is simple, light, strong and capacious. The hopper holds four quarts. All small seeds are accurately placed in hills, 4, 6, 8, 12 or 24 inches apart, or in continuous rows.

Price, \$11.00.



New Model Seed Drill.

### New Model Seed Drill.

This drill has been in use many years, and is well known to give perfect satisfaction. It has a large, broad-tired wheel, perfect and reliable index, a cut-off to stop the flow of seed when desired, and is very valuable and complete.

Price, \$8.00.

## “IRON AGE” GARDEN IMPLEMENTS—Continued.



No. 6.

### No. 6. “Iron Age” Combined Double and Single Wheel Hoe, Hill and Drill Seeder.

Ten tools in one, and each as satisfactory as a tool made for the special purpose. Places the seed in continuous rows or in hills, 4, 6, 8, 12 or 24 inches apart. Can be quickly changed to a double or single wheel hoe, cultivator, rake or plow. Price, complete, \$12.00.

### No. 15. “Iron Age” Combined Single Wheel Hoe, Hill and Drill Seeder.

Very similar to the No. 6 above, excepting it has only the single wheel. Price, complete, \$11.00.

### No. 17. “Iron Age.”

Complete, excepting the hill-dropping device. Price, \$10.00.

### No. 16. “Iron Age.”

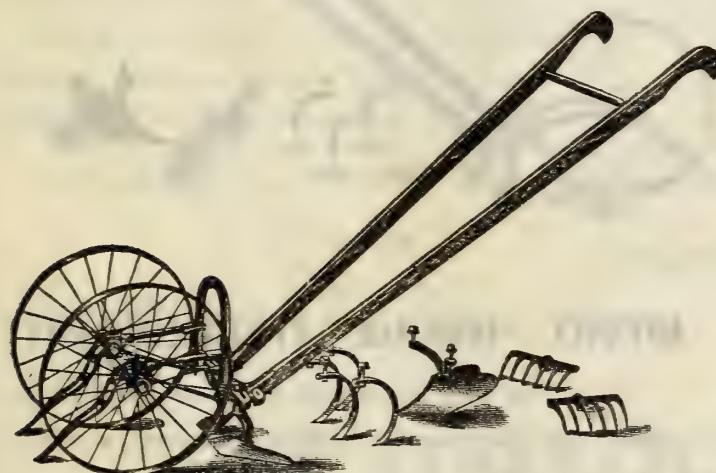
As a hill and drill seeder only. Price, \$8.50.

### No. 18. “Iron Age.”

As a drill seeder, for continuous rows only. Price, \$7.50.



No. 15.



No. 1.

### No. 1. “Iron Age” Double and Single Wheel Hoe. Price, complete, \$7.00.

Can be quickly changed to a double or single wheel hoe, cultivator, plow or rake; as a double wheel, can be used astride the row or as a single wheel between the rows. A drill seeder or hill and drill seeder attachment can be added at any time.

### No. 3. “Iron Age.”

With side hoes only. Price, \$4.25.

### No. 22. “Iron Age” Combined Fertilizer Distributor, Hill and Drill Seeder.

Applies the fertilizer in connection with the seed, just where it will do its most efficient work. It is perfectly simple, light of draft, strong and perfection in the quality of work done by it—its method of sowing the fertilizer and seed, or of sowing the fertilizer alone, is ideal. Price, \$18.00.

## "IRON AGE" GARDEN IMPLEMENTS—Continued.

### No. 12. "Iron Age" Wheel Plow and Cultivator.

Remarkable for its exceeding lightness, combined with great strength, the low price and variety of work it will accomplish. Will do all the work of a kitchen garden, as ploughing, hoeing, raking and cultivating, and is especially suitable for those desiring such a variety of tools for a small amount. Price, complete, \$3.50.

### No. 11. "Iron Age."

As a wheel plow only. Price, \$2.50.



No. 12.



No. 19.

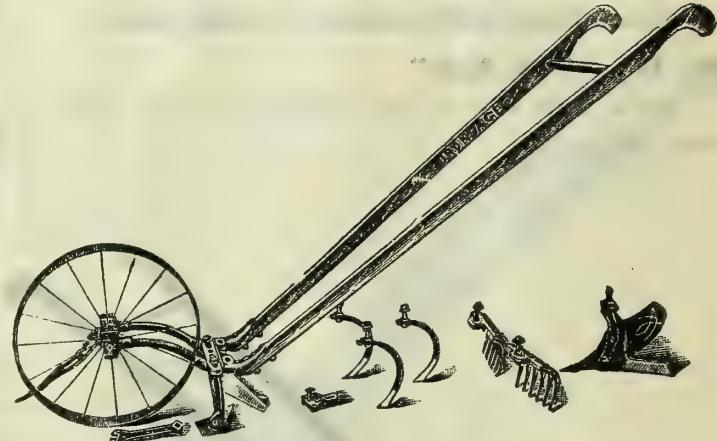
### No. 20. "Iron Age" Single Wheel Hoe.

A most complete single wheel tool. One pair of side hoes, three cultivator teeth, one pair rakes, and a landside plow are furnished. Price, complete, \$6.00.

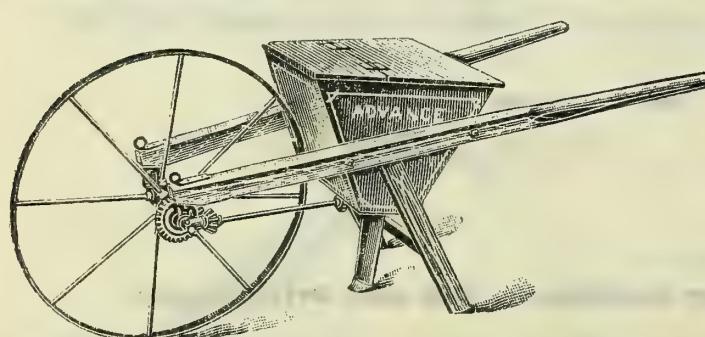
### No. 21. "Iron Age."

With plain hoes only. Price, \$4.00.

Can be used as a seeder at any time by adding the drill, or hill and drill seeder attachment.



No. 20.



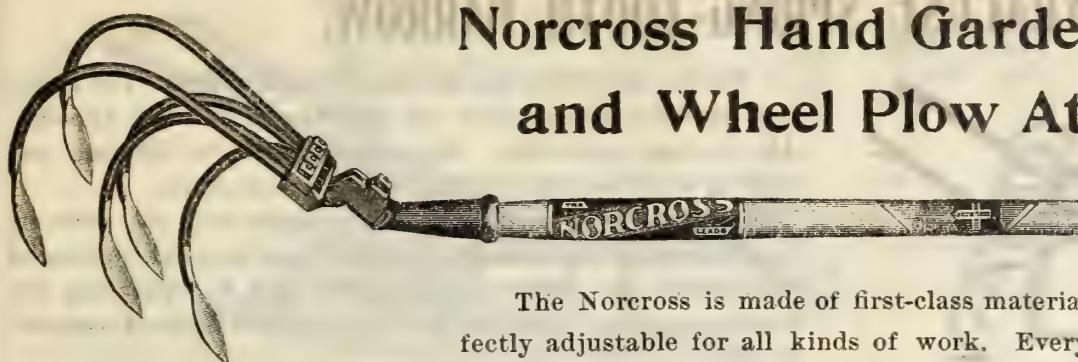
### ADVANCE ("IRON AGE") FERTILIZER DRILL.

One of the best low-priced fertilizer distributors made. Has galvanized iron disc, which will not rust or break; a light and strong wrought-iron wheel, and a shut-off to prevent escape of fertilizer at end of rows. A first-class tool for drilling peas and corn.

Price, \$6.75.

*As it is possible to show only a few of these implements, a complete descriptive "Iron Age" Catalogue will be sent free on request.*

## Norcross Hand Garden Cultivator and Wheel Plow Attachment.



**Weight 3 1-2 lbs.**

The Norcross is made of first-class material and finely finished. Perfectly adjustable for all kinds of work. Every part is detachable. The center shovel can be quickly removed and the row straddled. Where rows are close together the three inside shovels may be used. Loosening two nuts releases any one of the prongs to be removed. Detaching center shovel and reversing other four makes potato digger. Pulls weeds, pulverizes the soil thoroughly, giving level cultivation. It is light, very durable, easy to handle and does most excellent work. It can be quickly attached to wheel plow for use by larger gardeners.

**PRICE, \$1.00 EACH.**

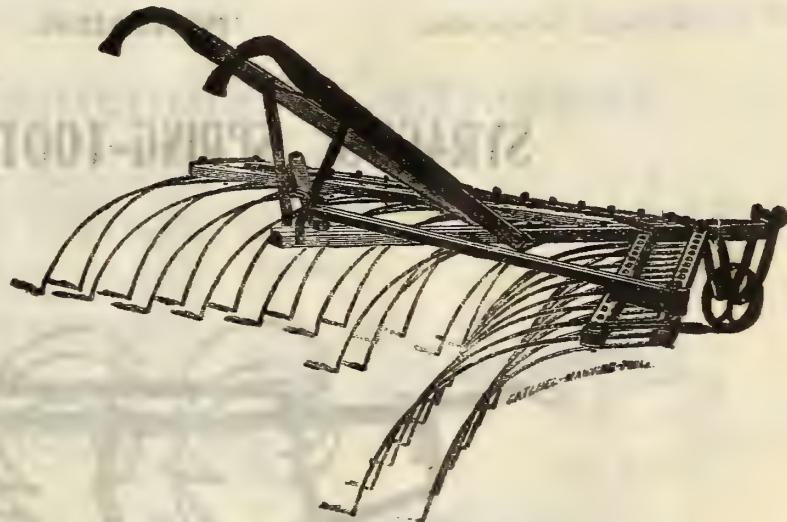
## THE "KEYSTONE" ADJUSTABLE WEEDEER.

The "Keystone" is the only weeder that is adjustable to depth and width. It can be used as a shallow cultivator, working close to the plants, between the rows, until the crops mature.

**Will not clog.** The long, curved, spring teeth are so placed and shaped that clogging is impossible.

Can be weighted down and teeth will stand 150 pounds pressure.

Keeps the surface fined to admit air, thereby creating a mulch that absorbs the moisture and retards evaporation.



Can be expended to 7½ feet and narrowed to 30 inches.

**PRICE.**

<b>Round Tooth, . . . . .</b>	<b>\$11.00</b>	<b>Flat Tooth, . . . . .</b>	<b>\$11.50</b>
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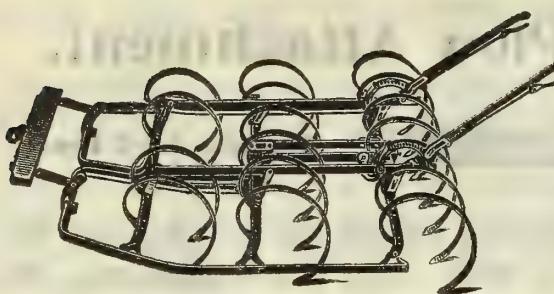
## THE HALLOCK WEEDEER.

The attention of farmers is called to the great saving effected in time and labor by using the Hallock Weeder. As many as eight rows can be worked at one time.

One of the best machines for level cultivation, will not injure the roots of growing crops, but kills out the weeds, and leaves a fine mulch on the surface of the ground.

**PRICE, \$9.00.**

## SYRACUSE SPRING-TOOTH HARROW.



15 Tooth, Two Horse,

Price, \$15.00.

17 Tooth, Two Horse,

16.00.

Frame, tooth-bearing bars and teeth are steel. The frame runs on steel shoes, which can be renewed at small expense. All castings malleable. Most convenient for clearing and turning about or transporting from place to place.

This style of harrow has advantages over the ordinary float harrow, in that the depth of work can be quickly changed even while the harrow is in motion, and by operating the levers a uniform depth can be maintained in soils of variable hardness.

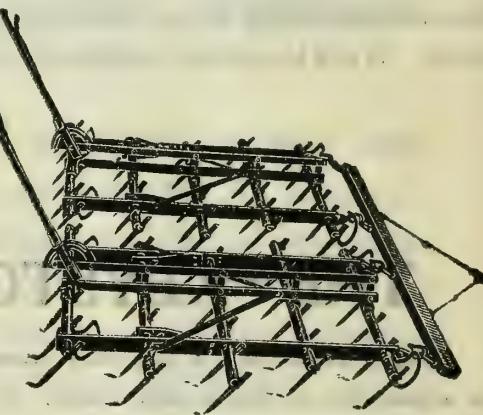
## SYRACUSE LEVER SPIKE-TOOTH HARROW.

Two, Three or Four Sections.

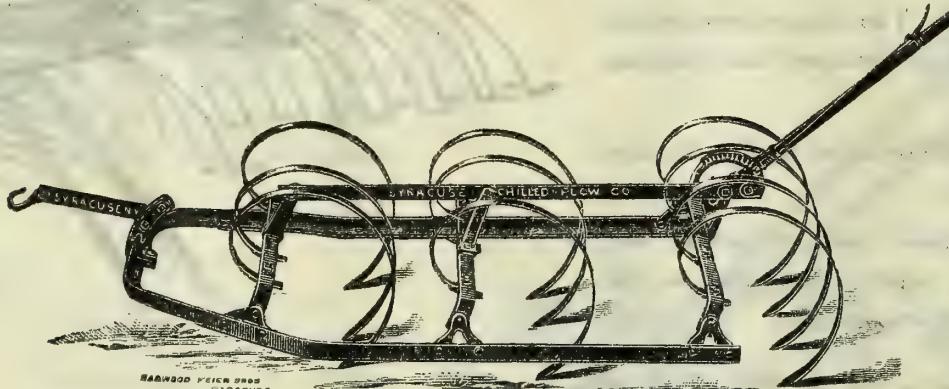
Adapted to pulverize and level the soil and to cultivate young crops. The teeth can be instantly changed from a perpendicular to a horizontal position, thereby throwing the harrow on the runners for transportation. The teeth are adjustable for wear and the tooth-holders will hold equally well.

60 Teeth, two section,

Price, \$12.00.

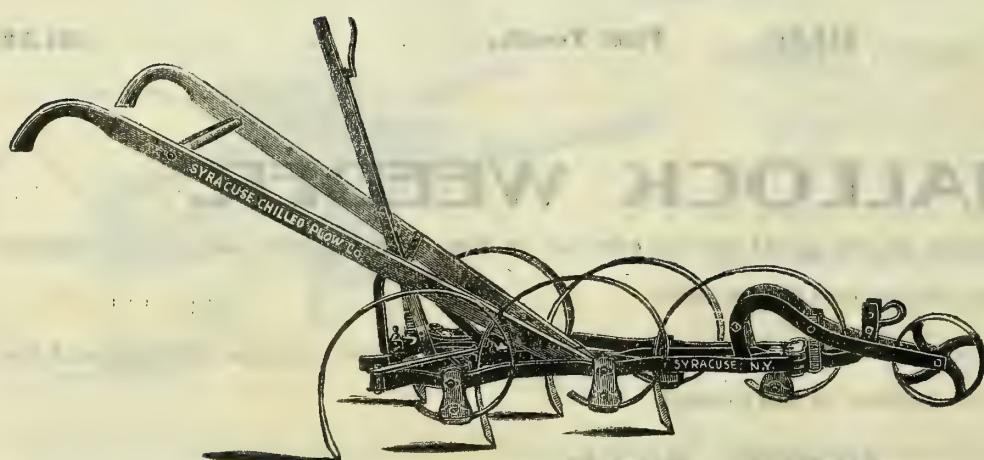


## SYRACUSE SPRING-TOOTH CULTIVATORS.



No. 145. Ten Tooth, One Horse, plain teeth, with lever.

Price, \$8.50.



No. 64.

This style is especially adapted for use in stony ground. The frames are steel, strong and well put together throughout. The teeth are fine oil-tempered springs, are alike and interchangeable, and are also adjustable for angle and depth.

No. 64.

Has expanding lever, five spring teeth and stationary wheel.

Price, \$6.00.



No. 101.

## No. 101. Syracuse Steel Cultivator.

Has expanding lever, five points, hillier sweeps and wheel, and is made with an extra long and heavy frame.

Price, \$7.00.

## No. 123. Syracuse Steel Cultivator.

Has expanding lever, five 3-inch points, wing points, shovel point, and stationary wheel.

Price, \$5.00.

## No. 124. Syracuse Steel Cultivator.

Expanding lever, five 3-inch points, hillier sweeps and wheel.

Price, \$5.50.



No. 123.

## No. 114. Syracuse Spike Tooth Cultivator.

Extra long frame, with reversible teeth; made for hard work.

Price, \$5.75

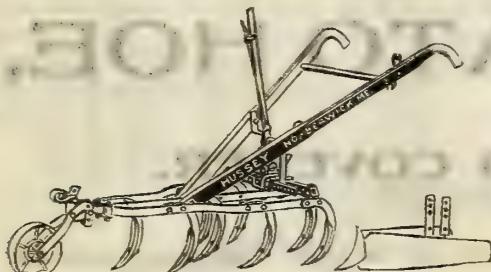
## “New Model Centennial” Cultivators.

**No. 1.** The regular 5-tooth Horse Hoe, Cultivator and Coverer combined; has five 3-inch points, long wings and lever.

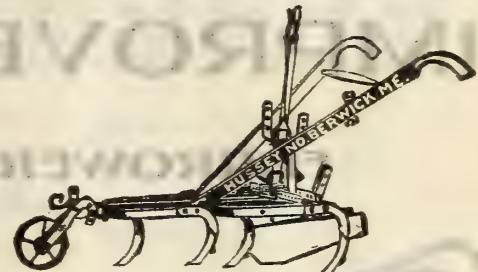
**No. 8.** An 8-tooth Pulverizer, on same frame.

The long frame of the “New Model Centennial” allows adding extra teeth without danger of clogging.

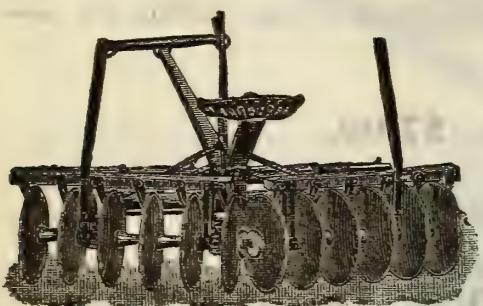
Price, No. 1, \$6.50.  
" No. 8, 7.50.



No. 8.



No. 1.



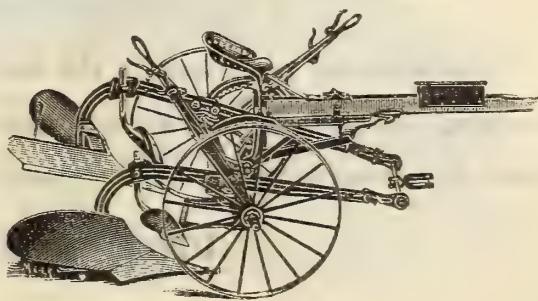
## THE YANKEE DISC HARROW.

Price mailed on application.

## Syracuse Reversible Sulky and Steel Beam Walking Plows.

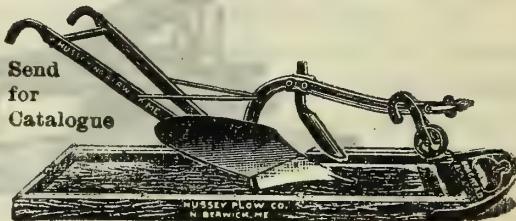
Price mailed on application.

A complete descriptive Syracuse Catalogue will be sent free on request.

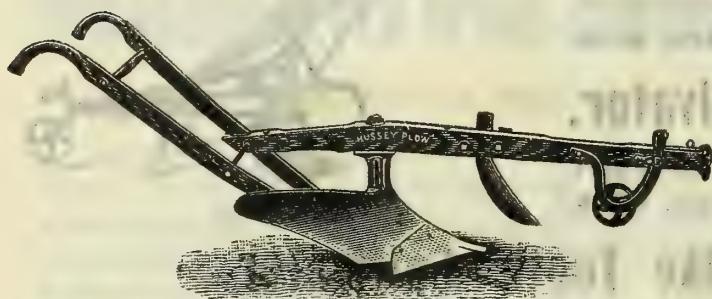


# HUSSEY PLOWS.

These plows are very strongly built, have the regular "Hussey" shaped mouldboard, which is so much liked by New England farmers, are made of the best materials throughout, are easily held, and are as nearly complete and satisfactory in every respect as the most critical farmer can ask.



STEEL BEAM STEEL PLOW.



WOOD BEAM HARD METAL PLOW.

Descriptive Catalogue

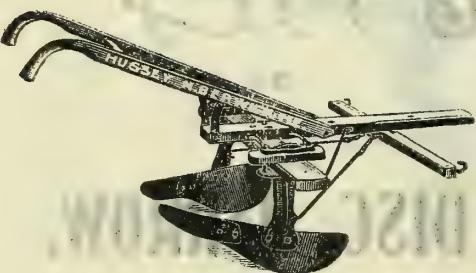
and

Prices

Mailed on Application.

## IMPROVED POTATO HOE,

FURROWER, MARKER, AND COVERER.



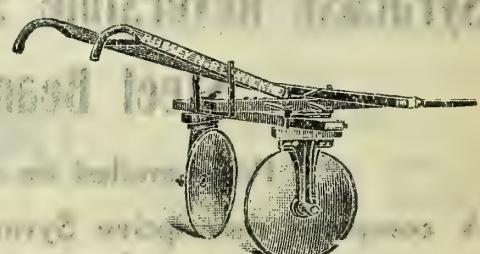
The Improved Potato Hoe is, as its name indicates, especially adapted for hilling potatoes, banking celery, and also as a coverer. It is much used as a "marker" for different crops, making the rows parallel and equally distant.

Price, \$7.00.

## "K. & W." Improved 20-inch Disc Potato Hoe.

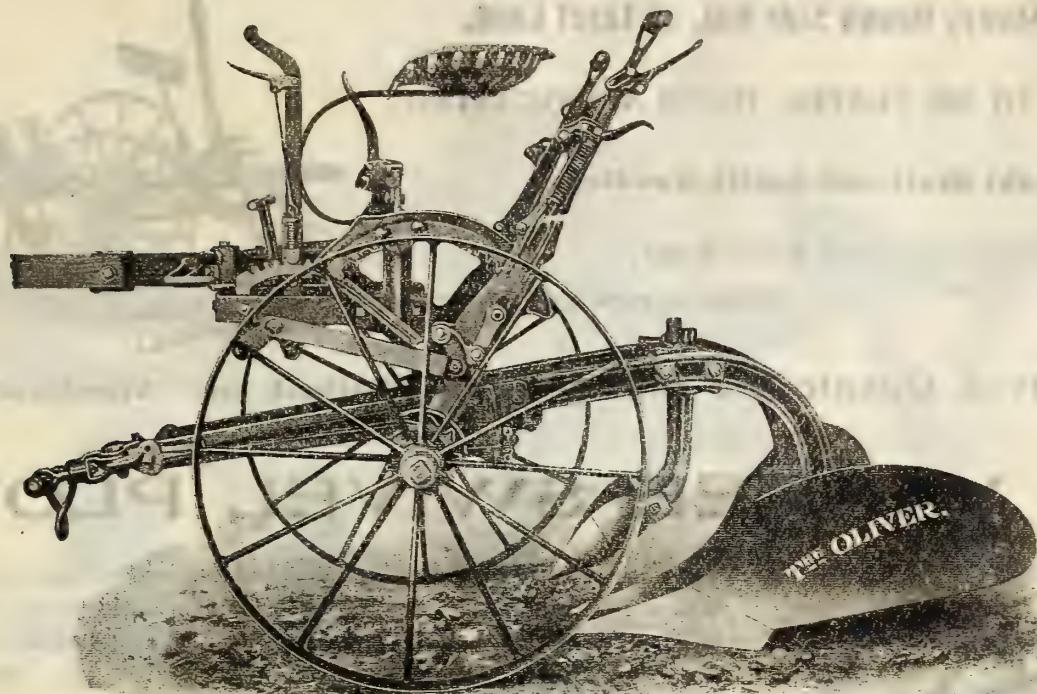
Considered by many farmers the best hoe made for hilling and covering. A distinct departure from the styles commonly in use, the large discs doing smooth and perfect work.

Price, \$9.50.



# OLIVER PLOWS.

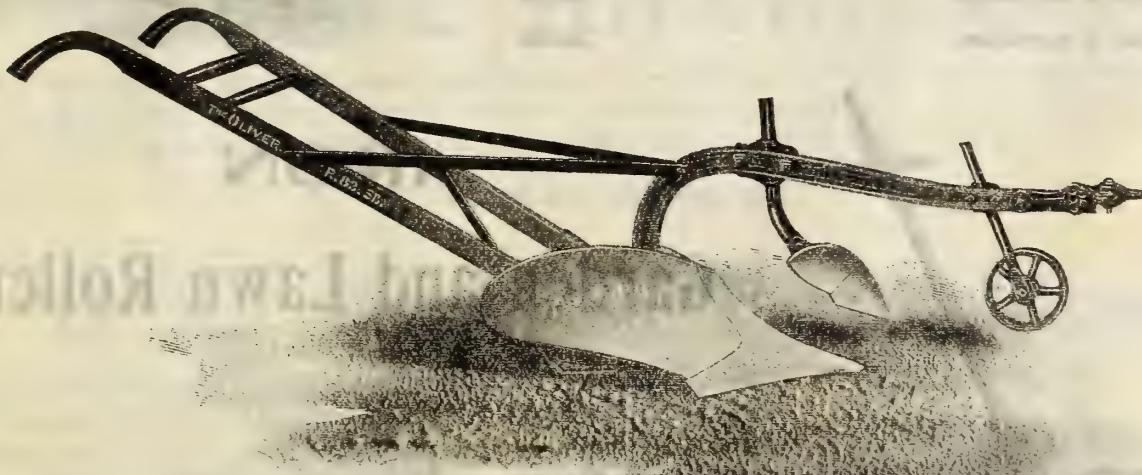
## REVERSIBLE SULKY PLOW.



The No. 23 Oliver Sulky Plow is not only the best in theory and practice, but the most expert and careful workmanship and supervision, together with a most rigid system of tests and factory inspection, guarantees every plow as near perfect as human effort can make it. By means of a "horse lift," which is brought into play by simply pressing forward slightly on the foot trip, the operator's work is diminished by fully one-half and it is not necessary to lean way back in an uncomfortable and often unsafe position to use the hand lever. With this plow the operator can keep his eyes on his team and his hands on the reins—the feet only are needed in order to raise the plow. The wheels have staggered spokes and wide tires and are set so as to insure strength, easy running and long life.

*Price on Application.*

### NOS. 82, 83 AND 84.



Nos. 82, 83 and 84 plows are especially designed for general purpose work, and having superior turning qualities are well adapted to sandy, gravelly and stony soils. The long, graceful turn to the mouldboards also fits them for work in sod, in the turning and laying of which they give particular satisfaction. The plows are steady running, light in draft, easily handled and strongly braced.

No. 82. A light two-horse plow. Capacity, 6 x 12 inches.

No. 83. A medium two-horse plow. Capacity, 7 x 13 inches.

No. 84. A large two-horse or medium three-horse plow. Capacity, 8 x 15 inches.

*Price on Application.*

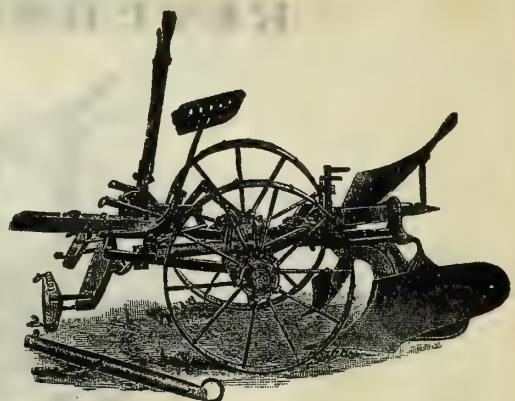
# National Reversible Sulky Plow.

Will Plow Stony, Rough Side Hill, or Level Land.

ONLY NEEDS TO BE TESTED TO BE APPRECIATED.

Of Light Draft and Easily Handled.

With each Sulky is furnished Neck-Yoke,  
Whiffletrees and Evener.



Descriptive Catalogue and Prices Mailed on Application.

# THE YANKEE SWIVEL PLOW.



The most perfect working reversible plow we have ever offered. Has a wooden beam, patent steel metal mouldboard, with patent steel shifting lever and clevis, enabling the plowman to take any desired width of furrow without stopping his team. Manufactured of superior hard metal in six different sizes.

For full information and prices, send for Yankee Plow Catalogue.

# STEEL LAND ROLLERS.

## PRICES.

24-inch, 2 section,	\$25.00
26-inch, 2 section,	26.00
26-inch, 3 section,	27.00
30-inch, 2 section,	30.00

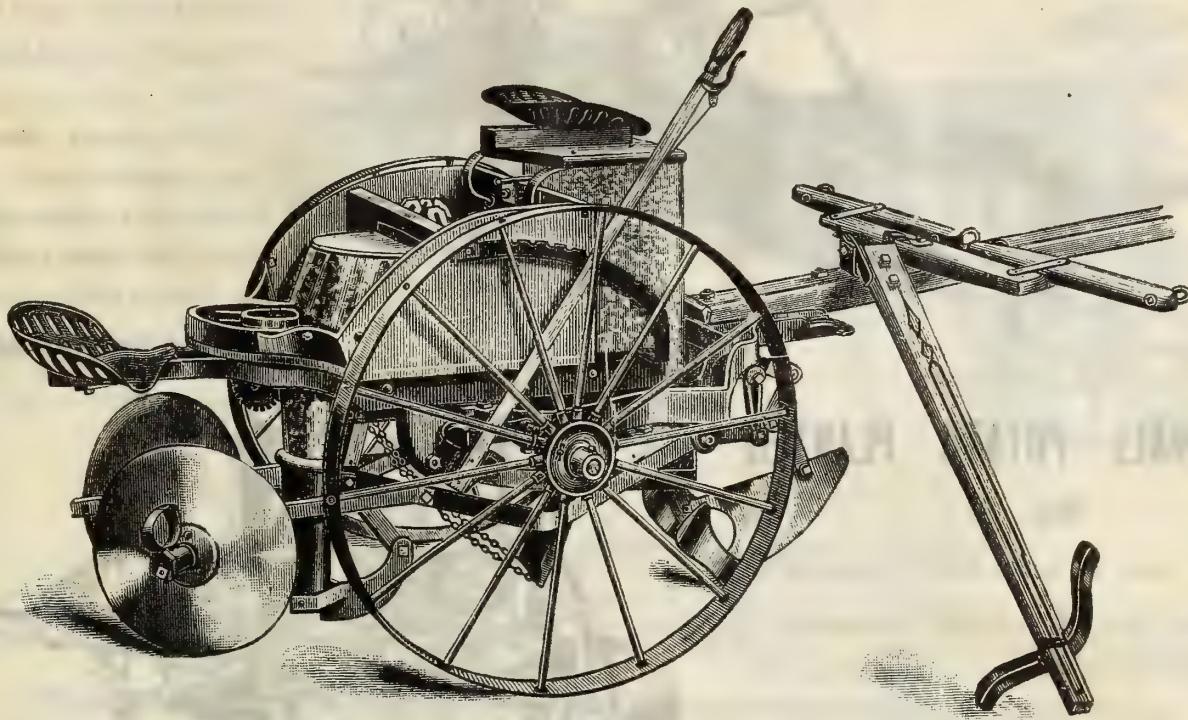


# IRON

## Garden and Lawn Rollers.

Sections Each.	Inches long.	Inches diam.	Weight about	Price.
2	7 1/2	15	125 lbs.	\$ 7.00
3	7 1/2	15	"	8.50
1	12	20	165 "	7.50
1	12	24	210 "	9.50
2	12	20	300 "	15.00
2	12	24	400 "	18.00

# THE "IRON AGE" (Improved Robbins) POTATO PLANTER.



This planter is one of the most thoroughly constructed machines offered to the farming public. It is carefully made of the very best materials and consequently is strong, durable and thoroughly practical.

**Plain or with Fertilizer Attachment.**

**Price, No. 1.**—Potato planter with fertilizer distributor (plow with shield), **\$73.00.**

**Send for Illustrated Catalogue.**

## "IRON AGE" POTATO DIGGER.

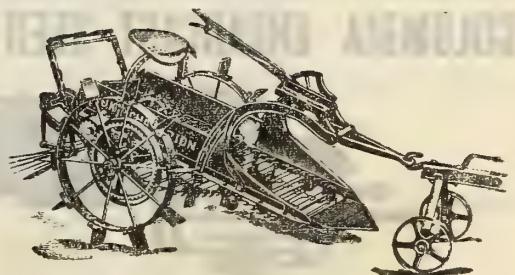
The "Iron Age" is adaptable to a wide diversity of conditions of culture and soil, and has several attachments, the application of which makes it possible to satisfactorily operate the digger and also eliminates the necessity of loading down the machine with parts which many farmers will not need.

**Price on Application.**

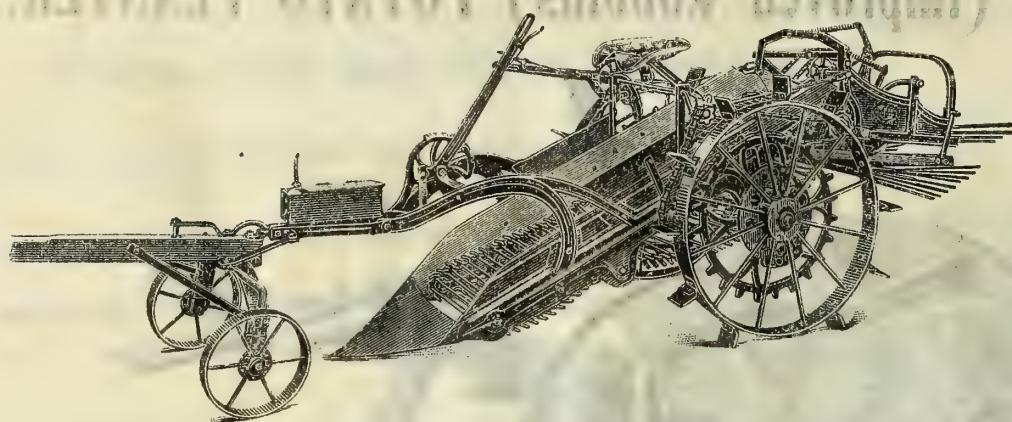
## "O. K." Champion Potato Digger.

The O. K. Champion Digger with its many superior features commends itself to the careful buyer. It is built with a view to simplicity, doing away with all unnecessary wearing parts, which accounts for its easy draught. Two horses will do the work with ease. There is no chain drive to cause friction and wear; only two gear wheels are employed on the entire machine. The shovel is 20 inches wide, scooping up that width of ground and potatoes, depositing them on the elevator separating apron, whose links are alternately raised and lowered. These run over a sprocket agitator, which keeps the apron continuously agitated, causing the separation to be done with the least possible power requirements, and giving the machine a good separating capacity. The potatoes then fall upon the rear shaking fork rower, thoroughly cleaning any remaining dirt from the potatoes, and deposits them in a row of about 12 inches behind the machine.

**Price on Application.**



# The Hoover Potato Digger.



A digger built on the right principle to do *good work*, and with years of experience to prove it.

The shovel, elevator, and vine separator are especially constructed to make the Hoover one of the most perfect working diggers on the market.

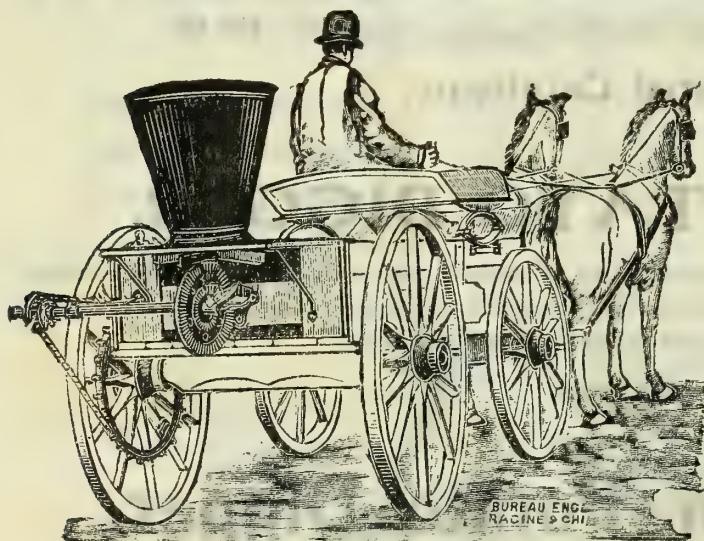
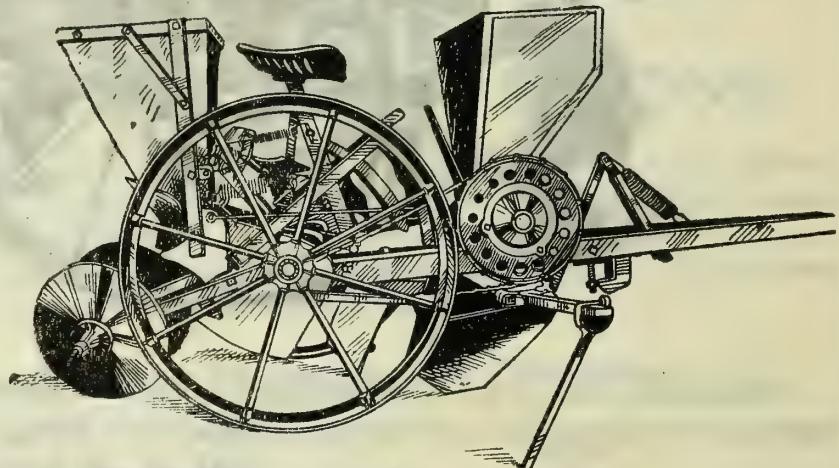
**Price on application.**

## ASPINWALL POTATO PLANTER

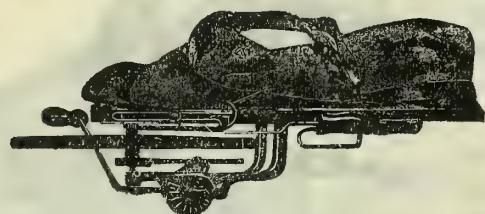
**No. 3.**

Has been in successful operation in Maine for more than twenty years, and is one of the best machines of its class on the market.

**Price**, with fertilizer attachment and disc coverers, **\$73.00**.



## COLUMBIA BROADCAST SEED SOWER.



This seeder is practical, neat and mechanically correct in construction. It distributes seeds evenly, has an automatic cut off, and the iron distributing wheel gives great momentum. No machine does better work, it being a strictly high grade seeder.

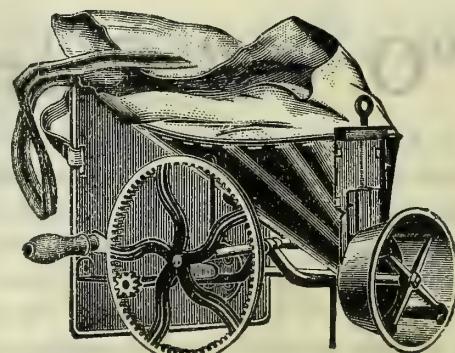
**Price, \$1.50.**

## The Racine Broadcast Seeder.

Will sow perfectly any quantity to the acre of oats, barley, rye, buckwheat, clover, millet, timothy, hungarian, etc. Will also sow peas, corn and fertilizers, in a most satisfactory manner.

**Price, \$8.50.**

## THE CAHOON Broadcast Seed Sower.



**For Sowing Wheat, Oats, Barley, Rye, Buckwheat, Grass Seeds, etc.**

This hand machine sows from four to eight acres per hour, at a common walking gait.

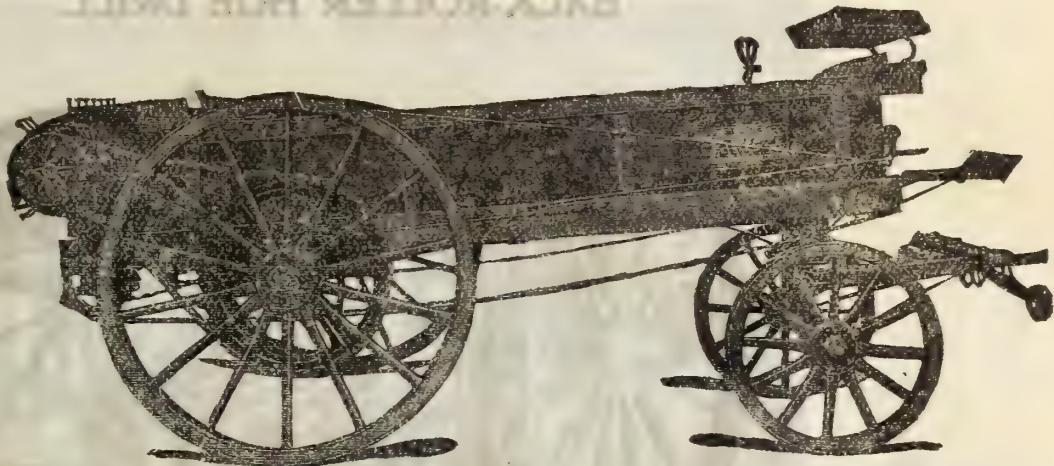
**Price, \$3.00.**

# THE WORCESTER KEMP MANURE SPREADER.

IS BUILT IN FOUR SIZES. SUITS ALL CLASSES OF FARMERS AND EVERY VARIETY OF FARMING.

The strongest spreader built, lightest draft, does its work with certainty, handling all kinds of manure, lime, ashes and fertilizer, accurately gauging the amount put out per acre.

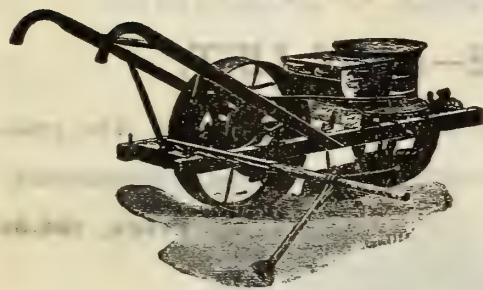
*Send for Circular and Price List.*



## THE KING OF THE CORN FIELD.

### Corn Planter and Fertilizer Distributor.

**PLANTS CORN, BEANS, PEAS, BEETS AND OTHER SEEDS OF LIKE SIZE.**



This planter is perfectly adapted to every requirement; durable and simple in construction, not liable to get out of order, and is arranged to drop any desired quantity of seed or fertilizer at a time, at equal and various distances apart, in hills or drills of uniform depth. The seed-dropping device is positive, never misses or skips a hill.

**Price, \$20.00.**

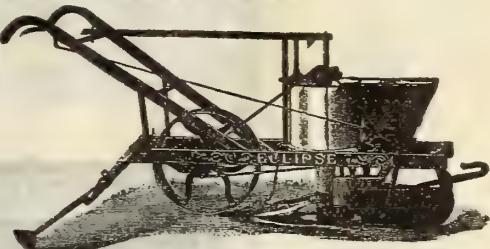
*Descriptive Catalogue Mailed on Application.*

### ECLIPSE CORN PLANTER

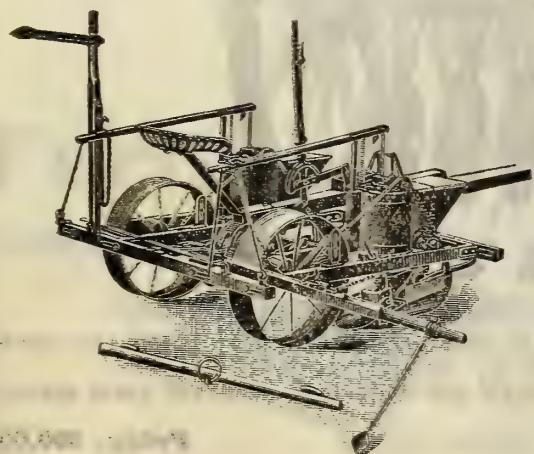
And Fertilizer Distributor.

For Planting Field or Ensilage Corn, Beans, Peas or Beet Seeds, in Hills or Drills.

**Price, \$20.00.**



### ECLIPSE DOUBLE ROW CORN PLANTER.



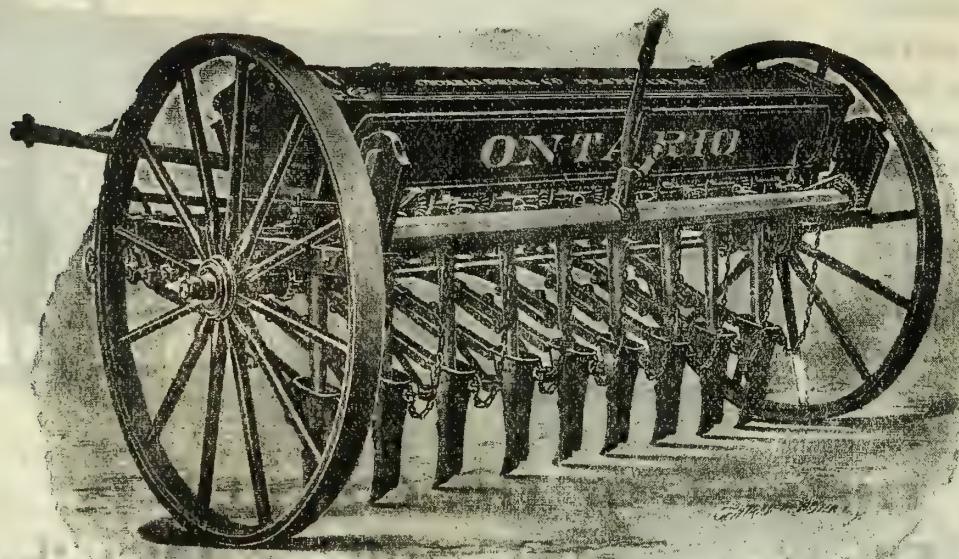
Will distribute from 50 to 600 lbs. fertilizer to the acre. Can be adjusted to make the rows 36, 38, 40 and 42 inches apart.

Plows can be adjusted to plant corn from one to four inches deep, as desired.

**Price, \$45.00.**

*Descriptive Catalogue Mailed on Application.*

ONTARIO COMBINED (GRAIN AND FERTILIZER)  
BACK-ROLLER HOE DRILL.



Built in all sizes, both as a Combined or Plain Drill.

**LIGHT DRAFT—PERFECT BALANCE—EASY LIFT.**

The body is made of well-seasoned, kiln-dried lumber, put together in a workmanlike manner. The grain hopper of the smallest drill (8 x 8 or 9 x 7) holding two bushels, and the fertilizer hopper being of considerably larger capacity.

**Price, \$90.00**

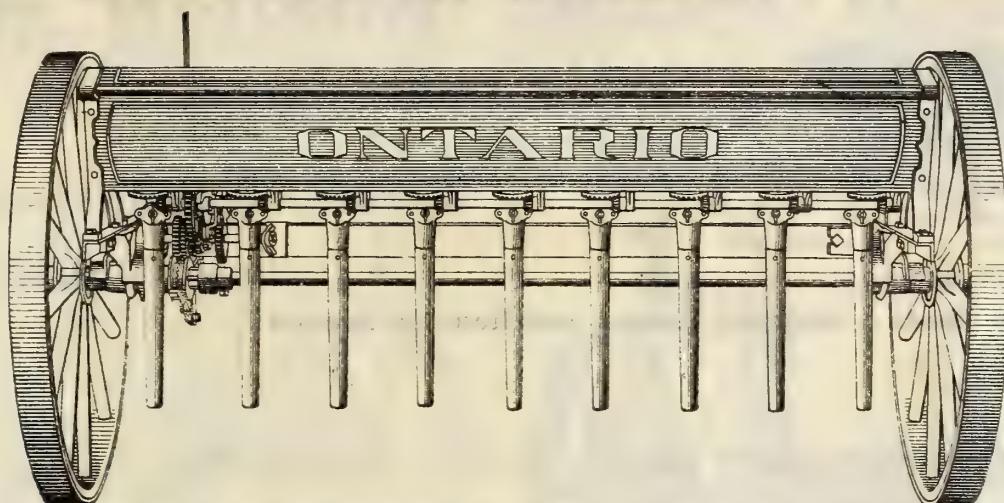
ONTARIO COMBINED (GRAIN AND FERTILIZER)  
DOUBLE DISC DRILL.



Embodies all the special features of Hoe Drill, excepting discs are used instead of hoes. It has the same broad tread wheels, accurate grain and fertilizer feeds, heavy axle, simple speed devices, accurate grass seeder and land measure, and the same light draft.

**Price, \$90.00**

## Ontario Fertilizer Broadcaster and Rower.



Is the only positive force-feed machine of its kind made in which the conductors have a lateral adjustment.

Its use is not confined to plaster, bone dust and other mealy fertilizers, for it handles lime and all commercial fertilizers, and is the best device known for handling those of home manufacture.

Sows broadcast or in any width of rows from eight inches up to five feet, in quantities ranging from two hundred to two thousand pounds per acre.

Is equipped with a Land Measure that does not get out of order. It accurately measures the acres and fractions of acres sown, and is easily set at the nothing mark.

**Price, \$45.00.**

## Ontario Plaster Sower and Broadcaster.



**(With Rotary Agitator.)**

One of the finest machines for sowing **broadcast** all kinds of fertilizers, ashes, lime, plaster, etc.

**Price, \$35.00.**

## STEVENS

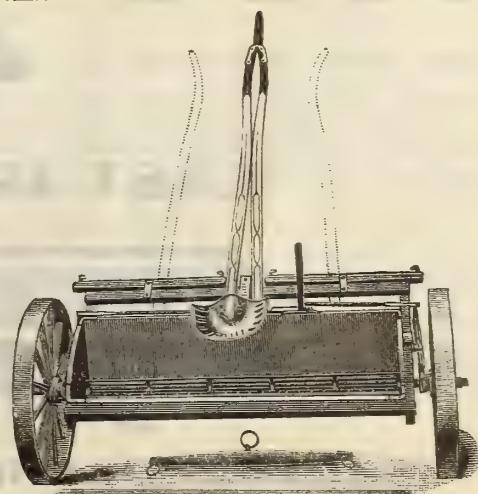
## Fertilizer Sower.

Combining Simplicity, Strength and Durability. Excel-

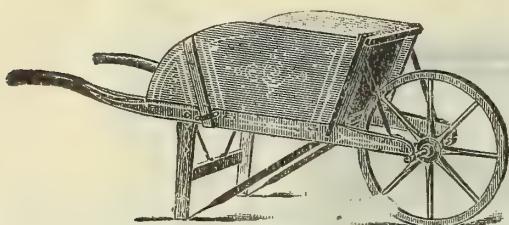
lent for Sowing all Kinds of Fertilizers,

Broadcast or in Drills.

**Price, \$40.00.**



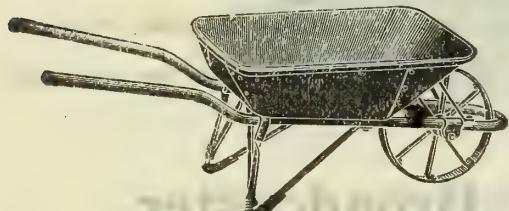
# WHEELBARROWS.



GARDEN BARROW.

No. 2. K. & W. Garden Barrow.....	\$2.75
No. 3. " " " " "	3.25
No. 4. " " " " "	3.50
No. 5. " " " " "	3.75
No. 6. " " " " "	4.00
<b>No. 4. Custom Made. Strongly ironed and heavily braced.....</b>	<b>3.75</b>
<b>No. 5. " " " " "</b>	<b>4.25</b>
<b>No. 6. " " " " "</b>	<b>4.75</b>
<b>Lawn or Stable Barrow. Extra size (box being 32 in. x 25 in. x 18 in.).....</b>	<b>9.00</b>

# CANAL BARROWS.

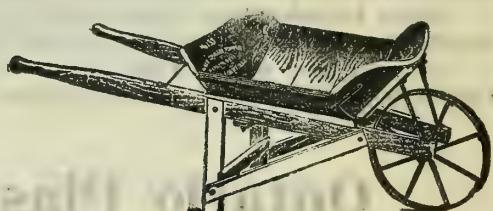


STEEL TUBULAR CANAL BARROW.

Wood Tray, \$1.75 to \$2.25

Steel Tray No. 12, 3.75

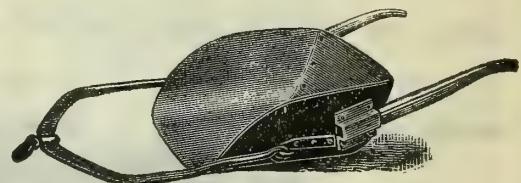
All Steel, No. 80, 6.50



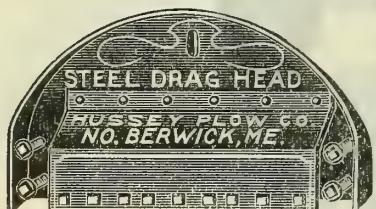
CANAL BARROW.

# STEEL ROAD SCRAPERS.

No. 0. Price.....	\$8.25
No. 1. " .....	6.00
No. 2. " .....	5.75
No. 3. " .....	5.50



# CAST IRON HEAD FOR DRAG.



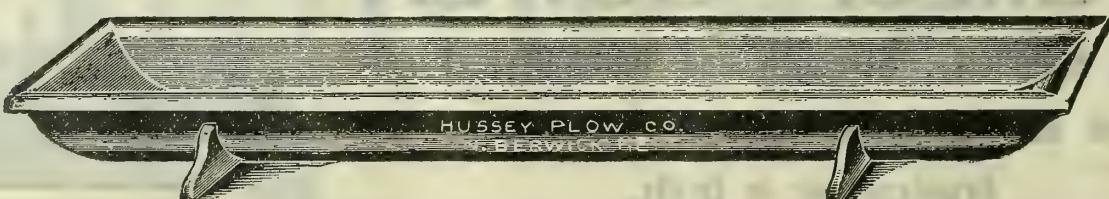
This illustration shows a simple device whereby a drag can be readily made by using STRAIGHT plank. Price, \$3.00

We also furnish the drag complete as shown below.

Price, \$7.00



# CAST IRON HOG TROUGHS.



Prices upon Application.

# The Worcester Buckeye Mower.

**SIMPLE—STRONG—DURABLE.**

**Built of the Best.**

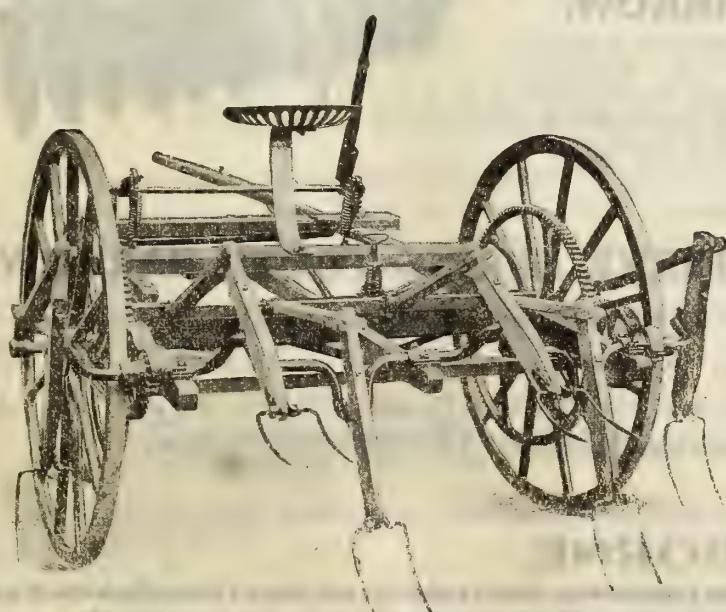


Cutter bar folds flat across the pole when not in the field. Knife has plenty of speed to cut the thickest bottom. Easy raising foot-lift; raises over every obstruction. Reinforced cutter bar.

**Price on Application.**

## Bullard Hay Tedder.

The Bullard Tedder takes the hay up from the bottom, shakes it in the air and leaves it lightly on the ground for the sun and air to complete the work of hay-making.



The forks of this tedder never clog. They extend outside the wheel, and hay that has been teddered is not run over and matted down. Two tension springs on the tilting frame, together with the new Mudgett fork springs, prevent breakage of fork arm.

The forks on each side are driven independently by the wheel nearest them, so that this tedder can be turned while it works, without straining the tedder or horse, and do good work all the while.

If you want to get a tedder that will do its work in the right way, with the least fuss and bother, and that gives you the most lasting satisfaction, buy a **Bullard**.

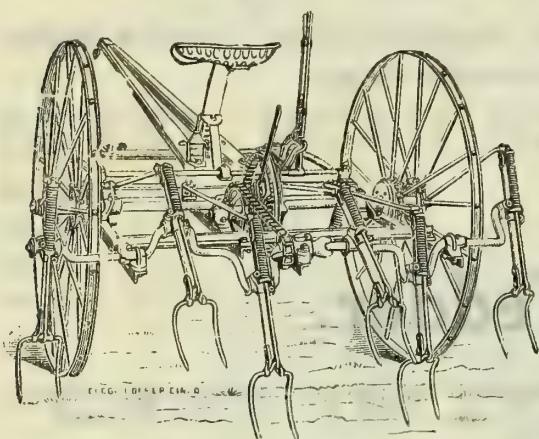
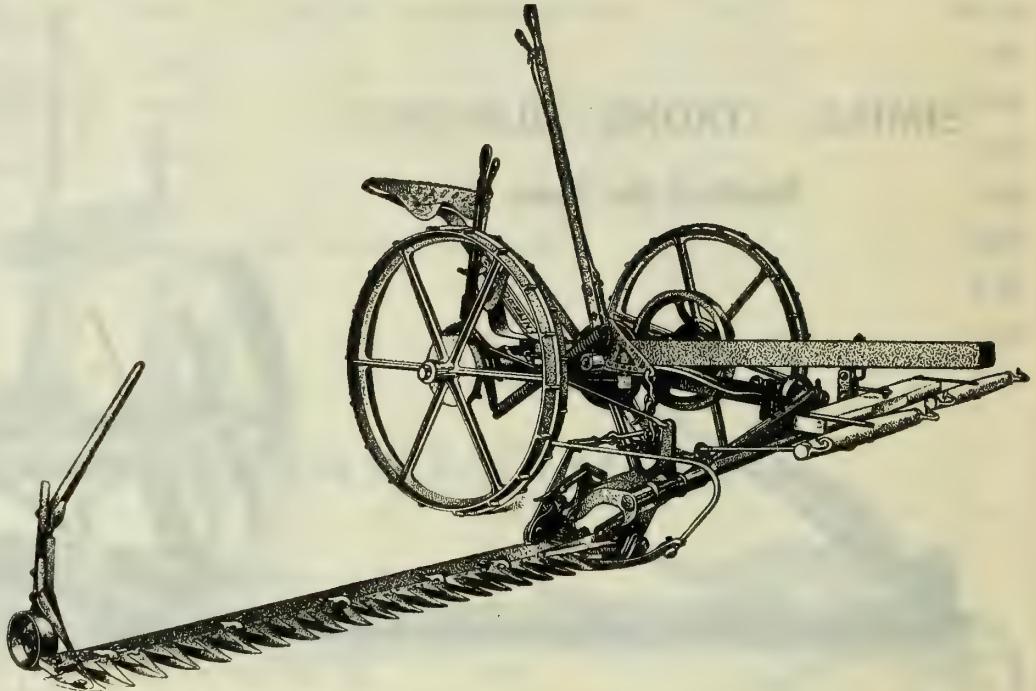
**Price on Application.**

# The International Harvester Company of America's Line of Osborne Farm Implements.

## THE NEW

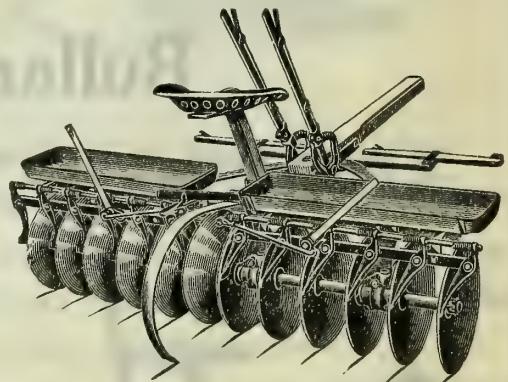
### Osborne Mower.

The new Osborne mower has made a place for itself in the front ranks of grass-cutting machines. Each detail that means much to the farmer has been worked out with care, and the result is a perfect machine in every respect. Wide frame, broad-faced gears, and a foot-lift that raises the cutter bar high above every obstruction, are a few of the valuable features. The draft attachment should not be overlooked when comfort for the team is considered. Made in all sizes, plain and vertical lift.



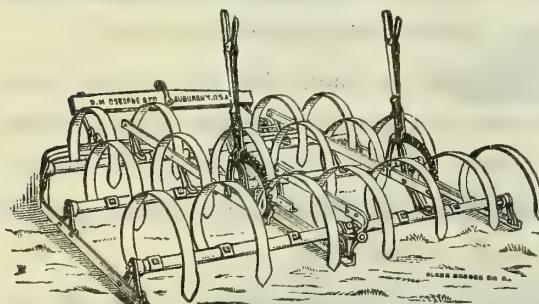
### OSBORNE CENTER DRIVE TEDDER.

The Osborne tedder is without doubt one of the strongest made and the only tedder that is equipped with roller bearings throughout. This means easy draft and long wear. The full power of both wheels applied to the forks makes the draft light, and the forks always in perfect adjustment, whether going straight ahead or turning a corner. Sizes: 6 and 8 fork.



### OSBORNE RIVAL DISC HARROW.

We are very glad to offer our customers the Osborne disc harrow, for we know that satisfaction follows every sale. Equipped with weight boxes, centre teeth, 3-horse attachment and two levers leaves nothing to be desired. We have it in all sizes, both solid disc and cutaway. Can be furnished with tongue trucks if desired.



### OSBORNE SPRING-TOOTH HARROW.

This harrow is so well known and popular that it needs no description. We simply wish to remind you that we are never without them in stock. Sizes: 9, 15 and 17 tooth. We carry the sulky harrow in 15 and 17 tooth.

## OSBORNE

**Kemp 20th Century Manure Spreaders, Peg Harrows, Cultivators, all Steel Hay Rakes, Corn Harvesters, Bluebell and Dairymaid Cream Harvesters, Riding Spring-tooth Harrows, Combination Harrows, Grain Binders, and Twine.**

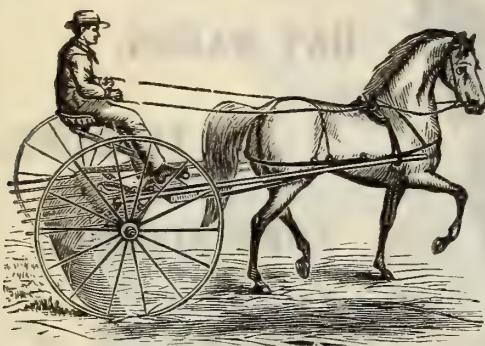
A full line of extra parts always in stock. Prices on application.

**KENDALL & WHITNEY,**

**Transfer and Selling Agents.**

## THE YANKEE HORSE RAKE.

Some of the Leading Points of Superior Excellence found in the Yankee Horse Rake.



Simplicity in construction and excellent quality of materials.

**Adaptability to rake anywhere, whether the fields are rough or smooth or the hay green or dry.**

**Rake-head adjusted so as to balance the weight of the teeth.**

This device (peculiar to the Yankee Rake) prevents the teeth from falling back heavily to the ground, after dumping the windrow. It also completely prevents the teeth from dragging heavily and digging up old rubbish or filling the hay with dirt and dust.

Teeth run level with the ground at their points.

**A tooth can be inserted or removed in less than five seconds, and without disturbing any bolts.**

Each tooth is perfectly independent in action and supplied with a yielding spring that will allow it to pass safely over any obstruction that the axle can pass over, saving at least three-fourths of the expense of broken teeth caused by pressure bars and guides used on rakes that CANNOT USE THIS PATENTED DEVICE.

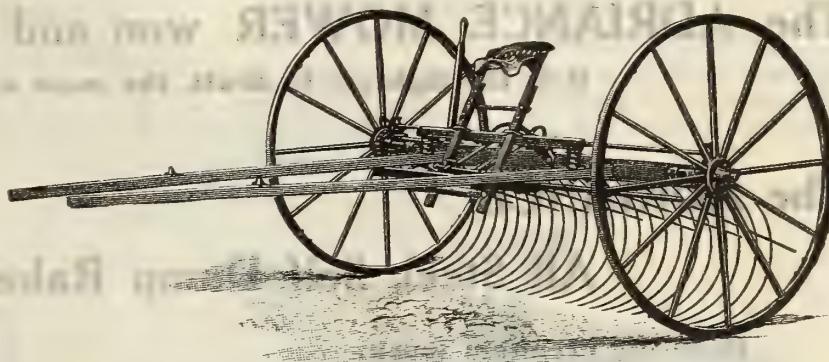
*Price on Application.*

## THE WORCESTER HORSE RAKE.

In the construction of the Worcester Rake, only the best material obtainable is used, making it a well-built and well-finished rake.

It is strong and reliable, and will rake rough places or smooth ground equally well. It has flattened sled-runner-shape teeth, the best steel tires, steel axles and hickory wheels. **Special attention** is called to the improved carrying device for holding rake-head up when dumped, and carrying it any desired distance before dropping.

*Price on Application.*



## THE "DIAMOND" KNIFE GRINDER.

One of the best machines for its purpose ever put on the market, and the easiest to operate, especially by an inexperienced person. There are ONLY TWO GEARS in the entire machine, which cannot fail to make it run easily, and it can be quickly attached to a bench, mowing machine wheel, or other suitable support. All the shafting is lathe cut from the best cold rolled steel, and the bearings are reamed to fit, prevent wear, and to support the grinding wheel rigidly at the high rate of speed at which it runs. The castings are all thoroughly japanned. **Price, \$3.50.**

## Sections for Mowers and Reapers.

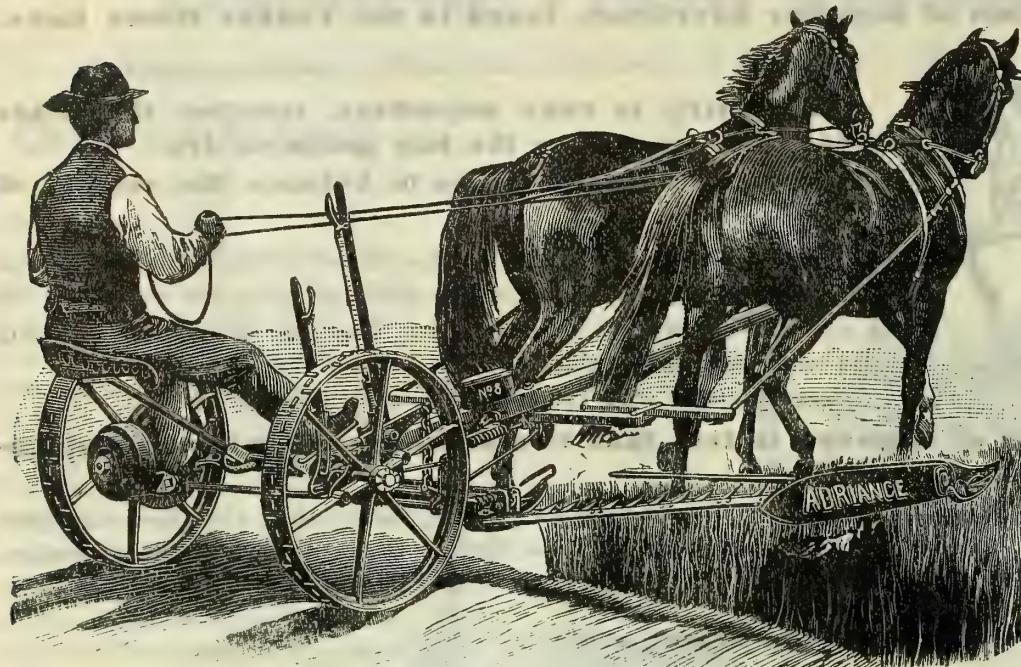
Farmers can have their orders promptly filled by sending directly to us for sections for all kinds of machines.

Sections will be polished on both sides, and stamped with the name of the machine for which they are intended.

In ordering send size of section wanted.

**ALL KNIVES AND SECTIONS WARRANTED.**

# ADRIANCE MOWERS, REAPERS, BINDERS.



HAY RAKES,  
TEDDERS,  
CORN BINDERS,  
HARROWS,  
ROLLERS,  
BINDER TWINE.

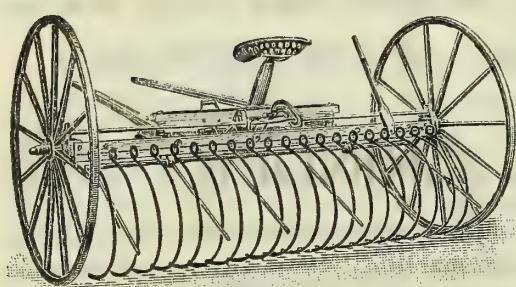
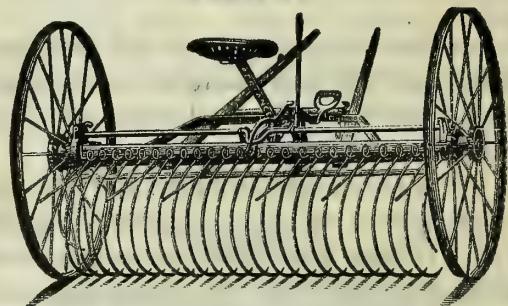
**The ADRIANCE MOWER won and holds the foremost place**  
It is the lightest in draft, the most efficient in service.

## The ADRIANCE

**All Steel, Self Dump Rake.**

**Does the cleanest work.**

**Is most free from breakage.**



## The NEW YORKER RAKE.

**A reliable wooden rake.**

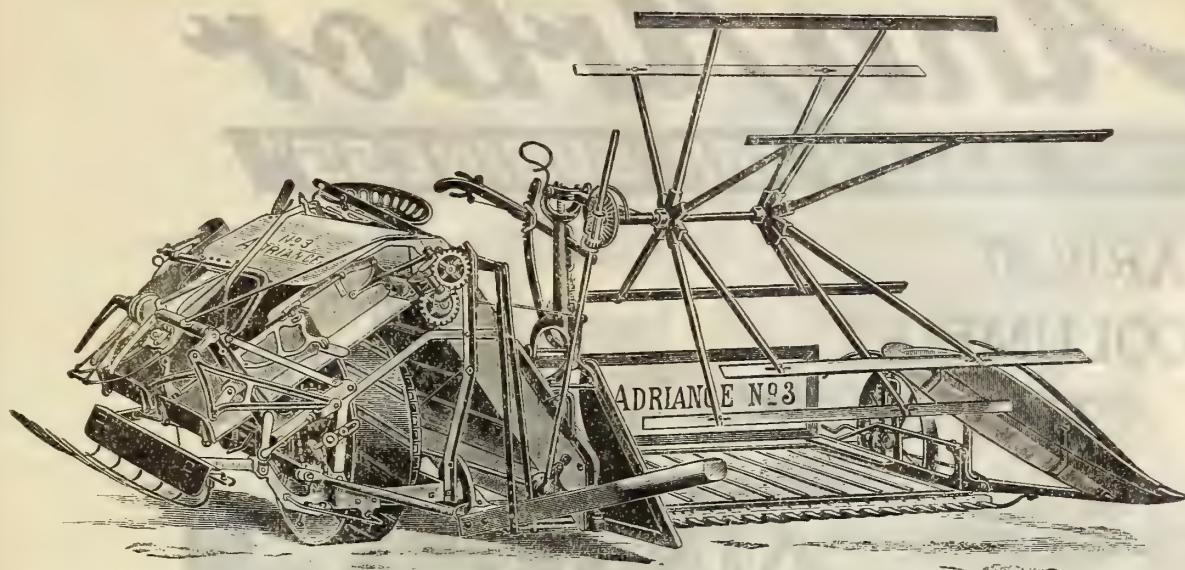
**Specially adapted for Maine.**

**SEE NEXT PAGE ALSO.**

**It will cost you only ONE POST CARD  
To obtain an ADRIANCE CATALOGUE.**

**It is WORTH MONEY to you to know  
WHAT THAT CATALOGUE WILL TRUTHFULLY TELL YOU.**

# The ADRIANCE BINDERS, the most efficient in the field.

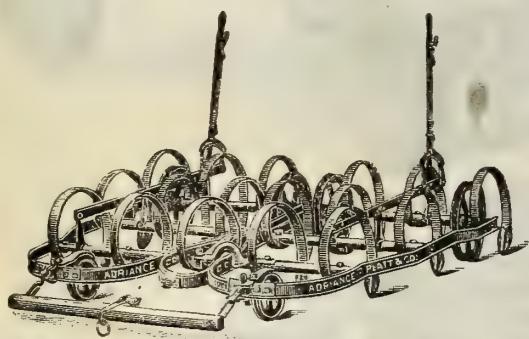


Built  
Right Hand  
Cut  
and  
Left Hand  
Cut.  
  
Use  
Adriance  
Plymouth  
Binder  
Twine.

## ADRIANCE SPRING TOOTH HARROW.

The strongest made, most free from clogging.  
Furnished with Seat Attachment if so ordered.

Made with wheels, { your choice.  
Made with runners,

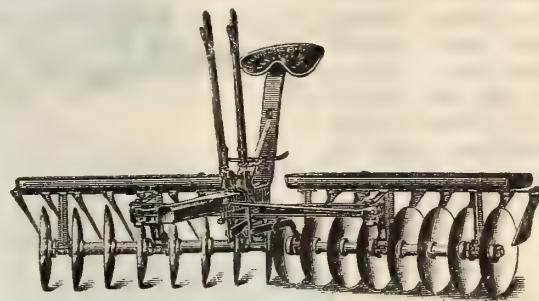


## NEW YORKER DISC HARROWS.

Solid Discs or Cut-out Discs.

Anti-Friction Buffers.

Harrows may be equipped with Fore Carriage, or with Pole Truck, which is same as Fore-Carriage, but fitted with guiding pole and for either two or three horses as ordered.



## TEDDERS AND ROLLERS. Fit companions to our Line Leaders.

Made in sizes to meet all requirements.

For more than Half a Century we have built our  
Machines Better than Others.

If you want the best buy Adriance.

ADRIANCE, PLATT & CO.,

PORLAND, MAINE,

Home Office, POUGHKEEPSIE, N. Y.

KENDALL & WHITNEY,

Transfer and Selling Agents,

PORLAND, - MAINE.

SEND FOR FREE CATALOGUE.

SEE PRECEDING PAGE ALSO.



# Ann Arbor

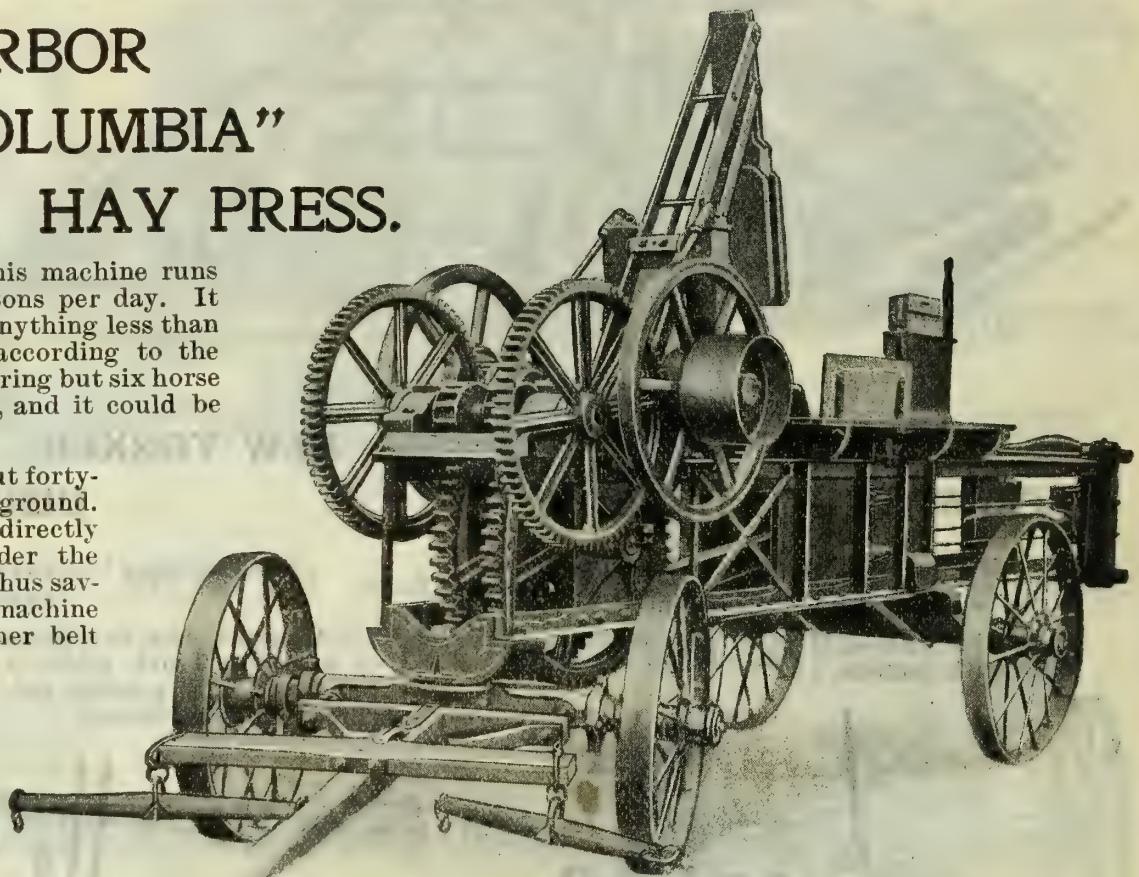
**"THE BALER FOR BUSINESS"**

## ANN ARBOR "COLUMBIA" HAY PRESS.

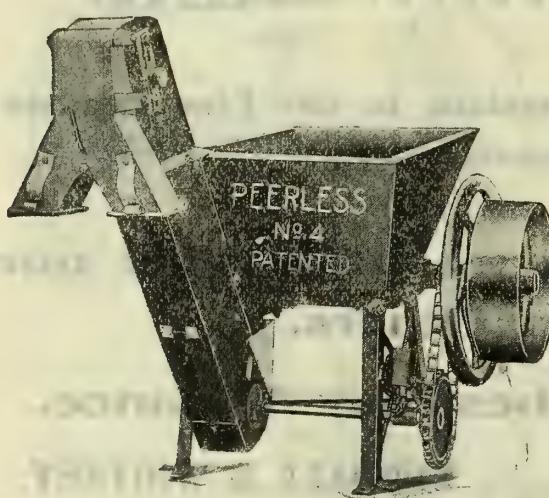
The capacity of this machine runs from twenty to forty tons per day. It makes bales weighing anything less than one hundred pounds according to the operator's wishes, requiring but six horse power to do the work, and it could be run with less.

The feed hole is but forty-two inches from the ground. The hay can be pitched directly from the windrow under the automatic self-feeder, thus saving a man on top of the machine as required by all other belt power presses.

This press is equipped with automatic division block dropper, bale length indicator, etc. It embodies all the latest ideas of steel press construction, and is bound to give the very best satisfaction.



*Price on Application.*



## PEERLESS FEED GRINDING MILLS.

The No. 4 mill was designed to meet the demand for a mill that can be operated with small power, and still have capacity to do a reasonable amount of work. It is built of iron and steel excepting the hopper, and has proven the greatest seller of the PEERLESS mills. It is equipped with patented machine cut grinding plates, ball bearing end thrust, quick release lever, babbited split boxes, adjustable feed, solid crusher roll and self lining plates.

Power required, from two to five horse power.

Capacity, five to twenty-five bushels ear corn per hour.

Plates,  $7\frac{1}{4}$  inches diameter.

Speed, 300 to 500 revolutions per minute.

Pulley, 14 x 4 inches.

Weight, 185 pounds.

This mill will also grind shelled corn and small grain successfully.

**Price, all sizes, on application.**

## PEABODY'S POTATO AND ROOT CARRIER.

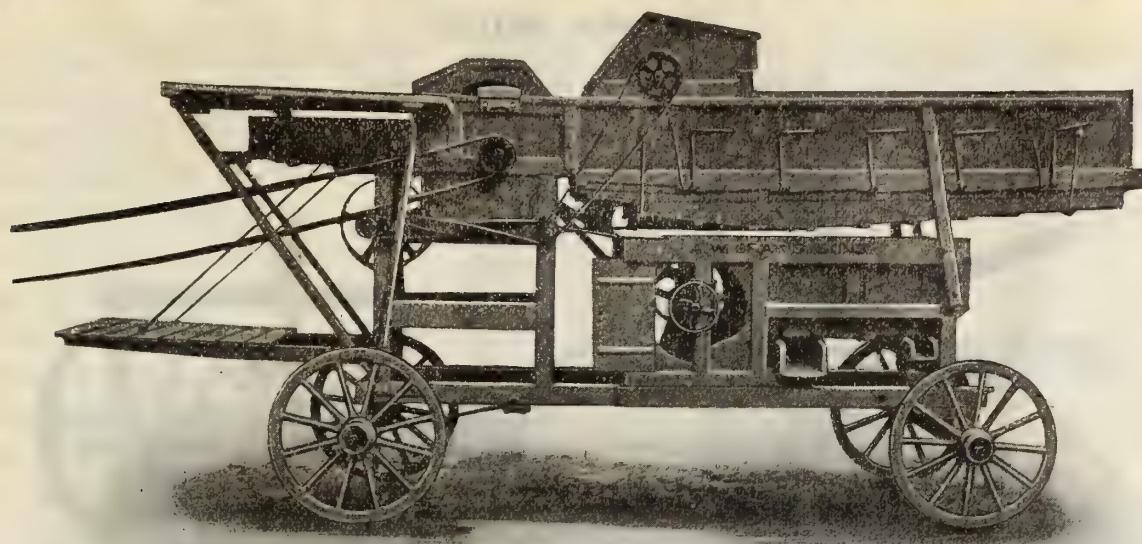


Will quickly fill or empty a bin of potatoes without bruising them. Every farmer needs one. Sizes, from 12 to 22 feet in length.

**PRICE.**

Per foot. \$1.50

**GRAY'S NEW THRESHER NOS. 303-304,  
WITH POWER BAGGER, STACKER, ETC.**

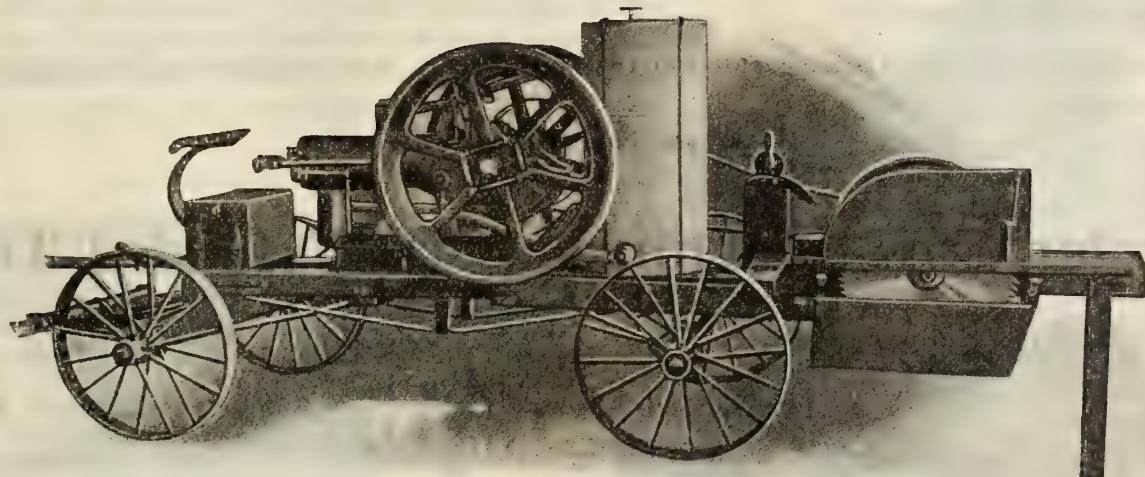


This thresher has been remodeled and reconstructed, and while built along the lines of regular threshers a number of radical changes have been made, one of the principal ones being that it is arranged so that it commences to separate the grain from the straw as soon as it leaves the cylinder, thus meeting the especial benefit claimed for the undershot threshers.

It is built especially to meet the demand for use with gasoline engines, is made with 18 x 30 cylinder, but two different sizes of separators have been added to admit using different size engines and are numbered 303 and 304.

*Write for Quotations.*

**GRAY'S 6-HORSE POWER ENGINE.**



Above cut shows a 6-horse power Gray gasoline engine mounted on No. 1 trucks, with circular saw machine attached, arranged to run with straight belt and tightener. Saw can be removed instantly, leaving the engine free to use in running other machinery.

**IMPROVED GRAY GASOLINE ENGINE.**

**EQUIPPED WITH MAKE AND BREAK IGNITION (WORKING SIDE).**

The speed regulator is a very simple device, by which the speed of the engine can be changed instantly while it is in motion.

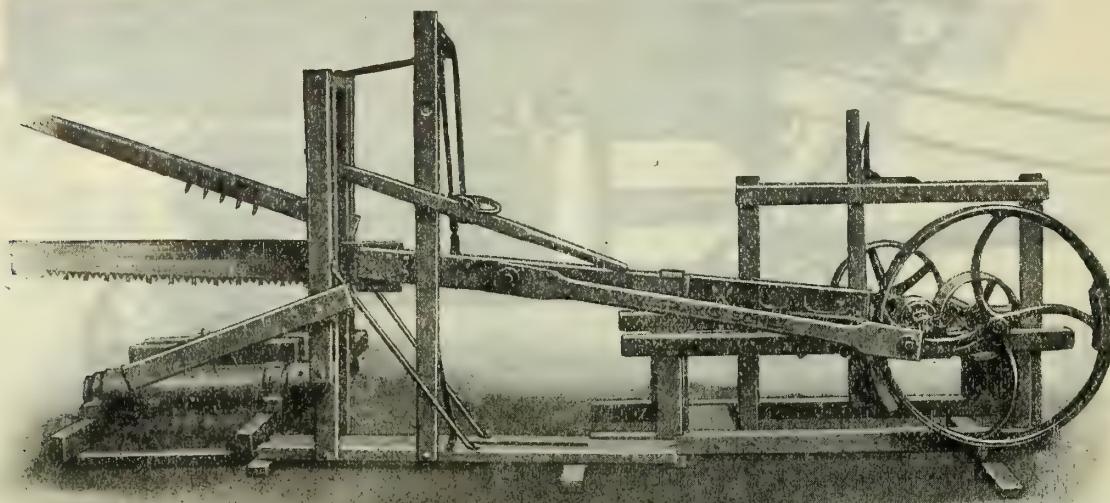
The governor is of the "hit and miss" type, the exhaust valve being held open and the inlet valve being held closed, or motion reversed, while governor is operating, thereby supplying the engine automatically with fuel according to the amount of work done, and effectually preventing waste of fuel. It is extremely sensitive, reliable and durable.

*Write for Quotations.*

# GRAY'S INDEPENDENT DRAG SAW MACHINE.

FRICITION DRIVE,

to run by Engine or other Power.



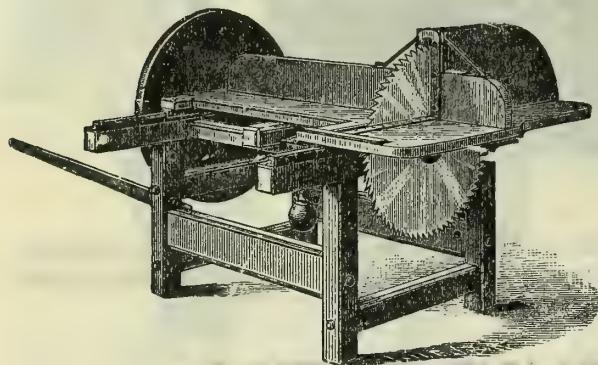
This is the latest and best idea in Drag Sawing Machines, and after a thorough practical test period, we believe this the very best system in the market.

One of the most important points in using the Drag Saw is to be able to start it slowly, thus removing any danger of breaking or bending the saw, and this is accomplished perfectly by using the friction transmission. Another feature is to be able to stop instantly, and this is arranged for in this machine as the moving of the brake lever releases the friction pulley, at the same time applies the brake on the balance wheel, thus stopping the machine instantly.

By changing the size of the driving pulley on the counter shaft, these machines may be adapted to almost any style of power.

*Write for Quotations.*

## Circular Saw Machines with Extended Table.



These are made with a table both sides of the saw, which is better adapted for sawing long wood, and can be used for sawing four-foot wood into stove wood. Saw machines made in this way can be used by one person sawing, as there is a rest for the wood both sides of the saw.

Machine equipped with either a 24-inch, 26-inch or 28-inch saw.

If made for a larger than 28-inch saw there will be an extra charge for frame, as it has to be made larger.

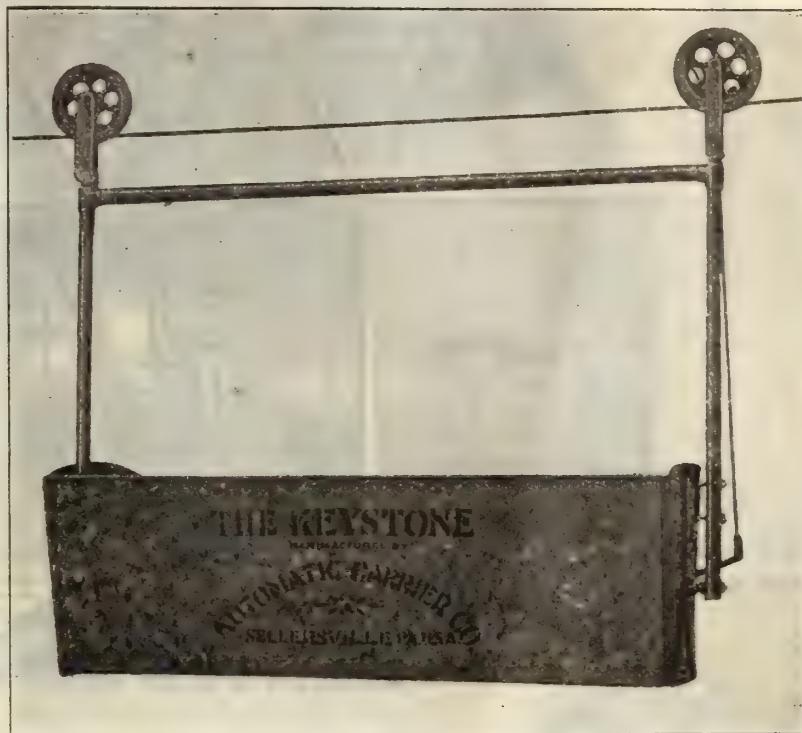
## Circular Saw Machine with Swing Table.

To meet the demand for a lower-priced and swing table saw we offer the machine as above, except made with swing table.

*Write for Quotations.*

## Keystone Litter Carrier.

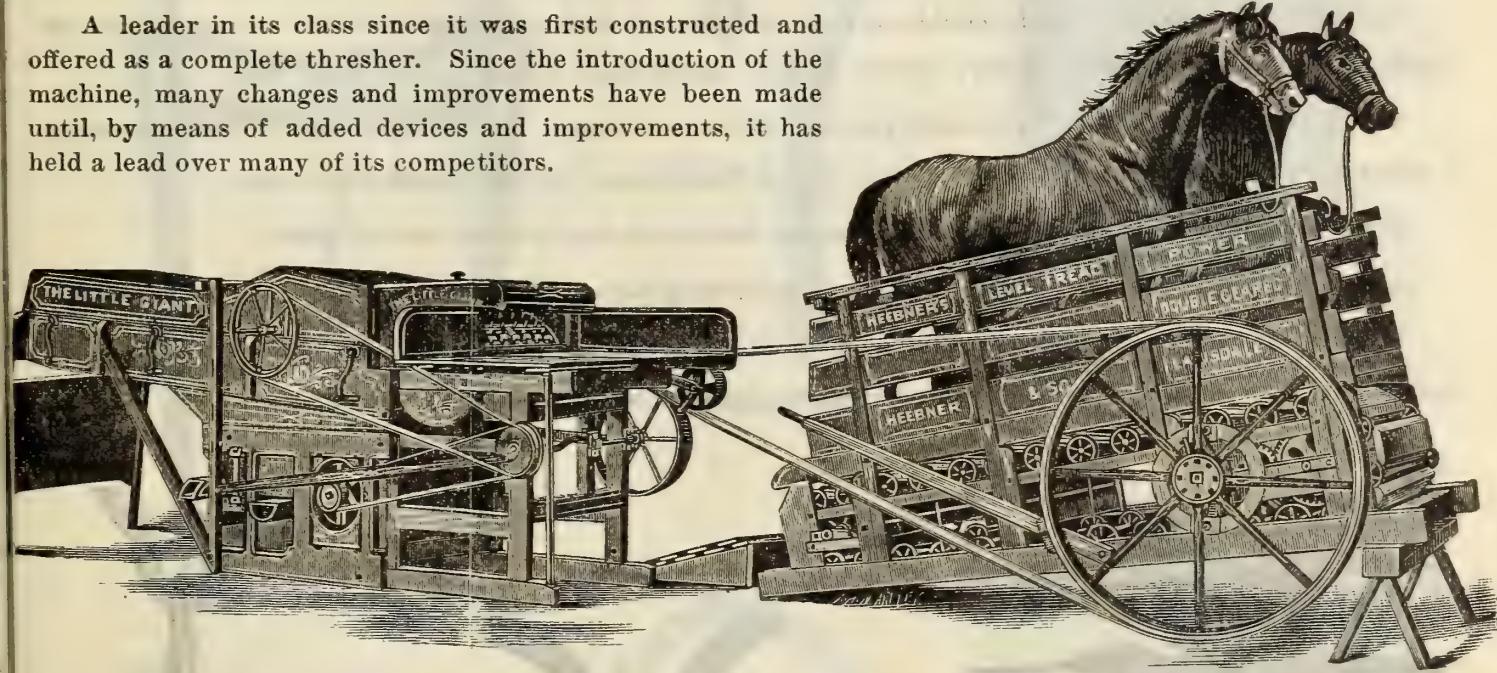
This cut represents the Keystone Automatic Galvanized Iron Litter Carrier. It is forty-eight inches long, sixteen inches deep, twenty-four inches wide at the top, and sixteen inches wide at the bottom, giving it a shape which affords the greatest ease in dumping and at the same time allows it to regain filling position before being released. The box is braced at the ends and along the top on both sides, making a rigid construction, and is secured to this frame at a point a little below center by gudgeons, stationary in the frame, and swinging in the frame of the box. The frame of the carrier is composed of three pieces of galvanized tubing, held in place by special service connections, the whole making the strongest and easiest operating litter carrier on the market.



*Price on Application.*

## Heebner's Little Giant Thresher.

A leader in its class since it was first constructed and offered as a complete thresher. Since the introduction of the machine, many changes and improvements have been made until, by means of added devices and improvements, it has held a lead over many of its competitors.



## Heebner's Level-Tread Horse Powers.

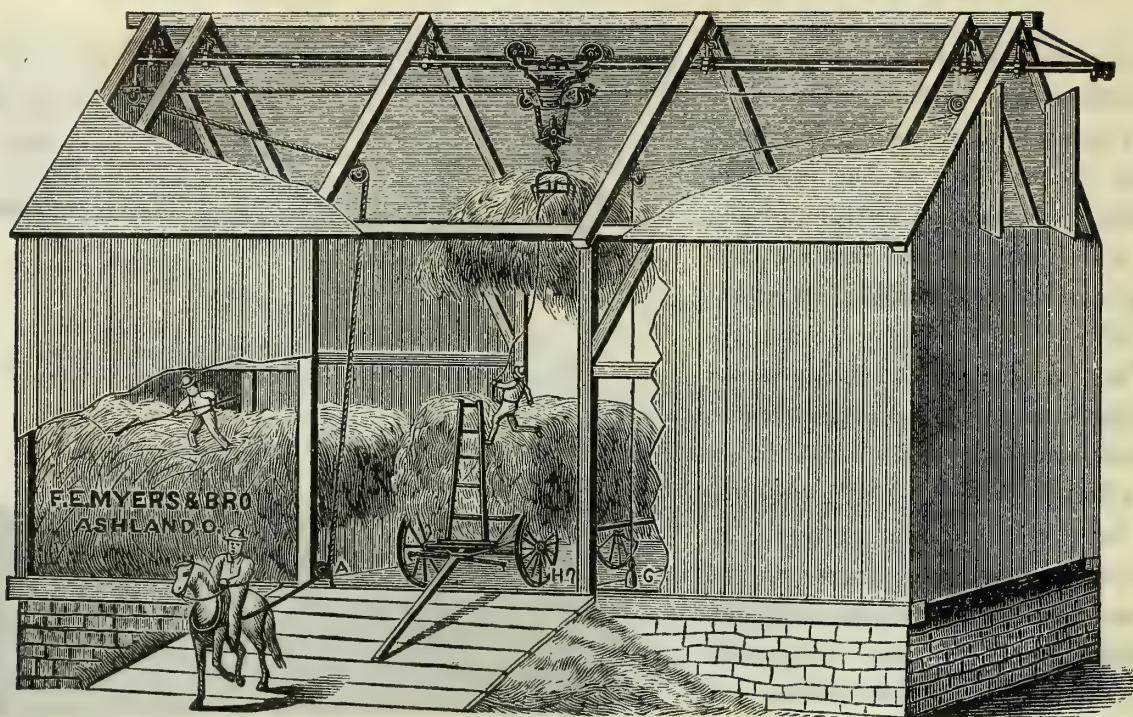
### Double and Direct Geared Machines.

The double gear is a finely-constructed and very powerful machine, containing many points of excellence.

To those who desire a power for general purposes, at less cost, we recommend the *direct gear*. It is not so heavy as the double-geared power, is cheaper, and is more easily handled.

*Price on Application.*

## CUT SHOWING HAY CARRIER AT WORK.



## MATERIAL REQUIRED FOR A STEEL TRACK OUTFIT FOR DIFFERENT LENGTH BARNS.

FOR A 40-FOOT BARN.—One reversible carrier; 40 feet steel track; 21 hanging hooks; 21 rafter brackets; 5 pulleys; 1 D. H. fork; 6 floor hooks; 110 feet  $\frac{3}{4}$ -inch Manila rope; 50 feet  $\frac{3}{8}$ -inch check rope.

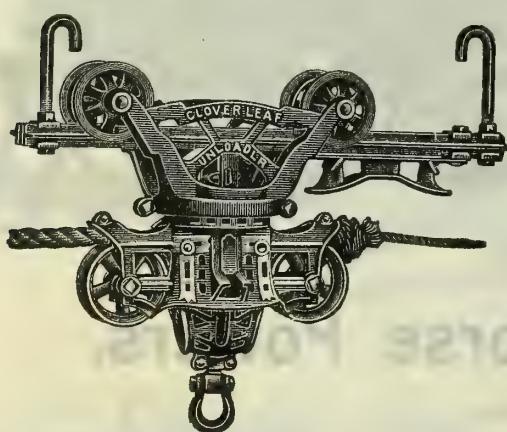
FOR A 50-FOOT BARN.—One reversible carrier; 48 feet steel track; 25 hanging hooks; 25 rafter brackets; 5 pulleys; 1 D. H. fork; 6 floor hooks; 130 feet  $\frac{3}{4}$ -inch Manila rope; 55 feet  $\frac{3}{8}$ -inch check rope.

FOR A 60-FOOT BARN.—One reversible carrier; 60 feet steel track; 31 hanging hooks; 31 rafter brackets; 5 pulleys; 1 D. H. fork; 6 floor hooks; 160 feet  $\frac{3}{4}$ -inch Manila rope; 60 feet  $\frac{3}{8}$ -inch check rope.

Different lengths of barns will use track, hanging hooks and rope in same ratio as above.

Above estimates of rope are for an *end hoist*. In hoisting from *centre* of barn less rope will be required.

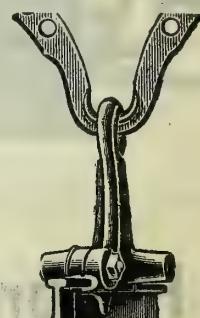
When requesting quotations do not fail to give exact length of barn, whether ridge pole or full rafter, and distance between rafters. Also state whether you expect to hoist from end or centre of barn.



MYERS STEEL TRACK CARRIER.



Rafter Bracket.

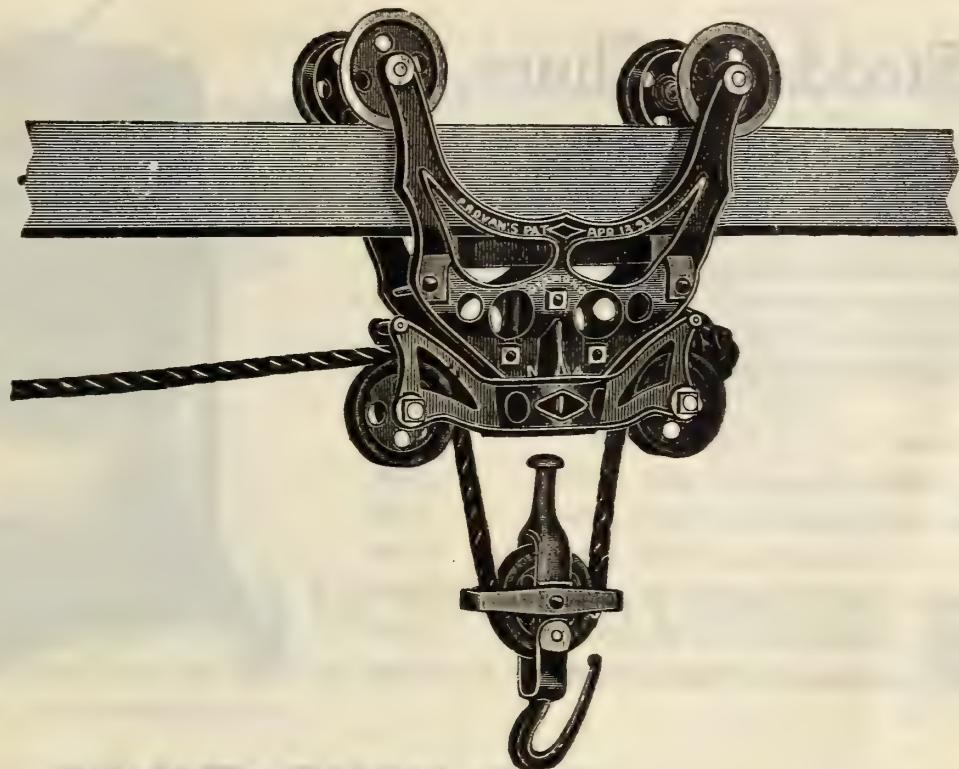


Rafter Bracket with Stop.

Write for Quotations



Hanging Hook.



DIAMOND WOOD TRACK CARRIER.



Screw Eye Hanging Hook.



Double Harpoon Fork.



Floor Hook.



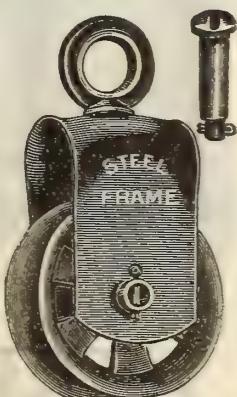
Reed Pulley with Hook or Eye.



Knot Passing Pulley.



Steel Rafter Grapple.



Steel Frame Pulley.

Write for Quotations.

# The Stoddard Churn.

## ONE OF THE MOST PERFECT CHURNS MADE.

The Stoddard Churn is made by hand in the most thorough manner and of kiln-dried white oak. It will last for years. The principle is concussion and not friction—has no floats or paddles inside. It is easily operated and easily cleaned. Perfect in construction, and having no parts liable to break or get out of order, it fully meets the requirements of large or small dairies.

No.		Price.
1	Ten Gallon, churns from 1 to 4 gals. cream,	\$7.50
2	Fifteen Gallon, churns from 2 to 7 gals. cream,	8.50
3	Twenty Gallon, churns from 3 to 9 gals. cream,	9.50
4	Twenty-five Gallon, churns from 4 to 12 gals. cream,	11.00
5	Thirty-five Gallon, churns from 5 to 19 gals. cream,	12.50
5½	Forty-five Gallon, churns from 5 to 20 gals. cream,	14.50
6	Sixty Gallon, churns from 6 to 28 gals. cream,	17.50



## THE HERO CHURN.

The "Hero" Churn we offer to those desiring a low-priced barrel churn.

The churns are made of white oak, thoroughly seasoned and kiln dried. The cover fastening is simple and efficient.



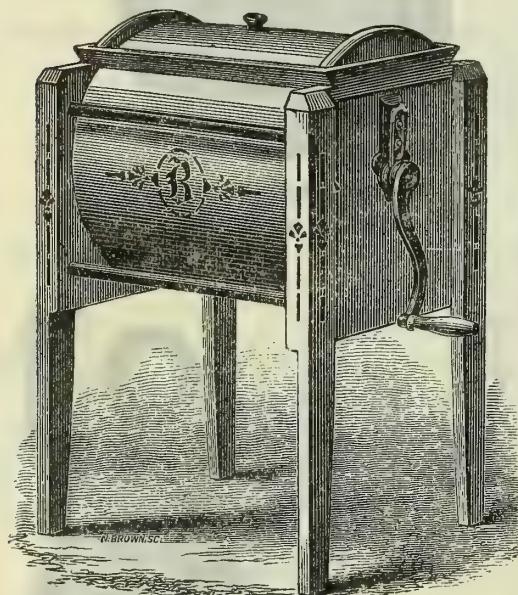
No.		Price.
1	Ten Gallon, churns from 1 to 5 gals. cream .....	\$ 5.00
2	Fifteen Gallon, churns from 1 to 7 gals. cream .....	5.50
3	Twenty Gallon, churns from 2 to 9 gals. cream .....	6.00
4	Twenty-five Gallon, churns from 2 to 12 gals. cream .....	7.25
5	Thirty-five Gallon, churns from 3 to 16 gals. cream .....	8.75
6	Sixty Gallon, churns from 6 to 22 gals. cream .....	11.50

## THE BLANCHARD CHURN.

The following are the leading merits of the BLANCHARD CHURN:

Perfect quality of all materials used. Excellency of manufacture. Simplicity of construction, having no cog wheels or gearing. Durability. Ease of operation. The action of the dasher is such as to cause agitation of the cream by creating currents, and not by beating or by friction of the cream, which may injure the grain of the butter. Facility in removing the dasher and getting at the butter. Ease of cleaning, the form of construction making the inside without any inaccessible or invisible angles or corners.

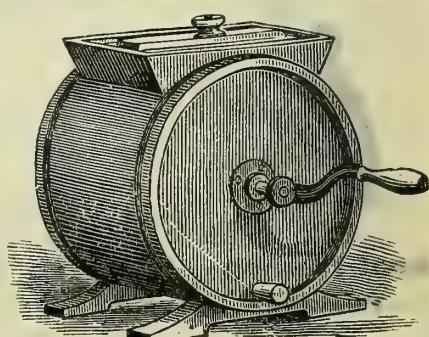
No. 3, for up to about 2 gallons of cream .....	\$4.50
No. 4, " " 4 " " .....	5.00
No. 5, " " 6 " " .....	5.75
No. 6, " " 12 " " .....	7.00
No. 7, " " 16 " " .....	8.75

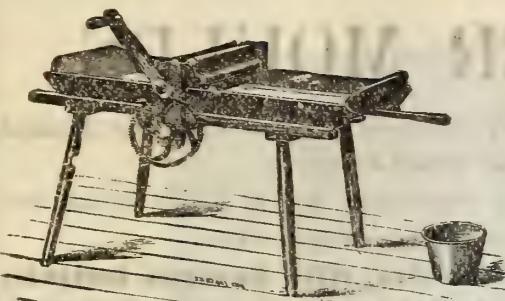


## CYLINDER CHURNS.

A Favorite Style of Churn which has been in Use for Many Years.

No. 1, capacity 2½ gallons, \$2.25	No. 4, capacity 10½ gallons, \$3.00
No. 2, " 4 " 2.50	No. 5, " 15 " 3.50
No. 3, " 7 " 2.75	





## THE Waters Butter Worker.

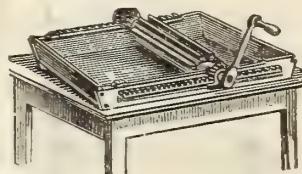
Practical, efficient, durable. It combines more advantages than any other. The tray is removable and thus takes the place of the butter bowl.

Will work butter in any condition satisfactorily. Made in sizes to suit any dairy or factory.

Size No.	Length of Tray.	Width of Tray.	Capacity.	Price.
0.	27 in.	14 in.	1 to 15 lbs.	\$ 6.50
1.	36 in.	15 in.	5 to 30 lbs.	7.50
2.	36 in.	18 in.	5 to 40 lbs.	8.50
3.	39 in.	20 in.	5 to 50 lbs.	9.50
4.	48 in.	22 in.	10 to 75 lbs.	11.00

## REID'S PATENT BUTTER WORKER.

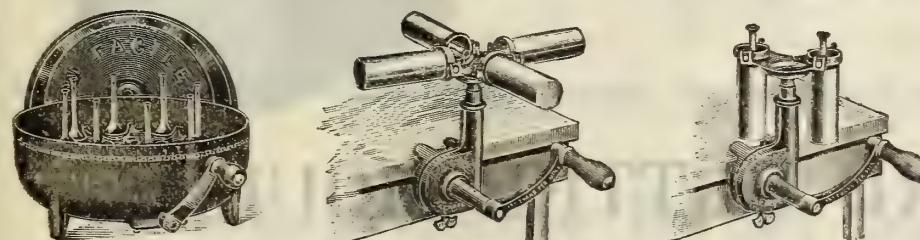
These machines are all built of the best material; the iron part is galvanized, preventing rust.



No. 1.	Size, 23 x 36 inches, 2 1/2 inches deep inside; capacity, 50 lbs.,	Price
No. 2.	" 20 x 36 " 2 1/2 " " 30 "	\$8.00
No. 3.	" 17 x 27 " 2 1/2 " " 20 "	6.50
No. 4.	" 14 x 23 " 2 1/2 " " 10 "	5.50
		4.75

Three pounds can be worked in any of the above machines, as well as a larger quantity. In buying a machine you should choose a size that will work the largest quantity that you will be likely to want to work at a time.

## THE "FACILE" IMPROVED BABCOCK MILK TESTER.



2 bottles .....	\$4.00	8 bottles .....	\$ 9 00
4 " .....	5.00	10 " .....	10.50
6 " .....	8.25		

The day for cheap, poorly-made Babcock Testers has gone by, and a demand has sprung up for a substantial and durable machine. It is for this reason that the "Facile" has been placed on the market, and no expense has been spared to make it complete in every way.

### MORE'S

## Pyramidal Milk Strainer.

Most perfect Milk Strainer ever offered to dairymen. Can be used on Creamery Cans, Milk Cans, Small Pans, etc. Cleans milk rapidly, will not clog, has large straining surface.



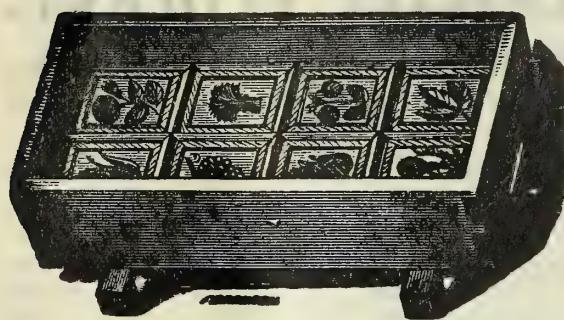
Strainer, with rest or funnel .....	\$1.25
Strainer, with rest and funnel .....	1.40
Extra rests or funnels, each .....	.15

## PARCHMENT BUTTER PAPER.

FOR WRAPPING AND COVERING BUTTER.

Better, Cheaper and more Convenient to use than Ordinary Muslin. Price, 15c. per Pound.  
Write for quotations for large quantities and for printing special designs.

# COMBINATION BUTTER MOULDS.



These moulds are expressly designed to meet the demand for strictly first-class hand-carved designs.

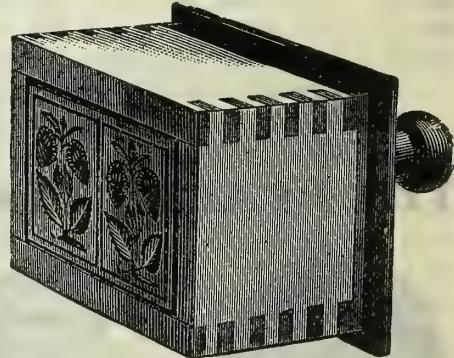
The cut here shown represents No. 6, which holds two pounds, and is divided into eight  $\frac{1}{4}$ -pound cakes.

**Prints engraved to order, with Designs, Initials, or Monogram, without extra charge, excepting that, should more than six letters be wanted on each cake, a charge of five cents per letter will be made for each letter in excess.**

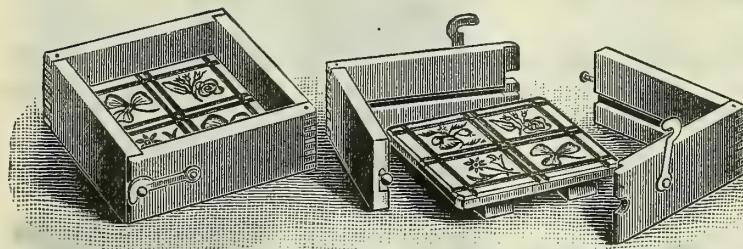
No. of Print.	No. of Cakes.	Capacity in lbs.	Capacity of each Cake in ounces.	Dimensions of Moulds in inches.	Dimensions of each Cake.	Price.
2	4	2	8	11 x 3 $\frac{3}{4}$	3 $\frac{3}{4}$ x 2 $\frac{3}{4}$	\$3.75
3	4	2	8	12 x 3	3 x 3	3.75
4	4	1	4	4 $\frac{1}{2}$ x 5	2 $\frac{1}{4}$ x 2 $\frac{1}{2}$	3.50
5	4	1	4	10 x 2 $\frac{1}{2}$	2 $\frac{1}{2}$ x 2 $\frac{1}{2}$	3.75
6	8	2	4	10 x 4 $\frac{1}{2}$	2 $\frac{1}{4}$ x 2 $\frac{1}{2}$	4.50
7	6	1 $\frac{1}{2}$	4	10 x 3 $\frac{1}{2}$	3 $\frac{1}{2}$ x 1 $\frac{3}{4}$	4.25
8	12	1 $\frac{1}{4}$	2	12 x 4	2 x 2	5.00
9	16	1	1	10 x 3	1 $\frac{1}{2}$ x 1 $\frac{1}{2}$	5.00
10	24	1 $\frac{1}{2}$	1	10 x 4	1 $\frac{1}{4}$ x 1 $\frac{1}{3}$	5.25
12	8	4	8	11 x 5	2 $\frac{3}{4}$ x 2 $\frac{1}{2}$	4.50
20A	4	2	8	11 x 4 $\frac{1}{2}$	3 $\frac{1}{2}$ x 2 $\frac{1}{2}$	3.75

## KIMBALL SQUARE MOULD.

	Price.
Square, 1 pound, two one-half pound prints.....	\$ .75
Square, 1-2 pound, two one-fourth pound prints.....	.65
Square, 1-2 pound, single print.....	.65



## BLANCHARD BUTTER MOULDS.



1-2 lb., two 1-4 lb. prints, 40c.; 1 lb., four 1-4 lb. prints, 50c.; 2 lbs., eight 1-4 lb. prints, 75c.

If engraved with initials or any hand cut design, add to the regular price, 25 cents for each letter, or design.

## BRUSHES.

We are in a position to furnish the best kind of brushes for dairy use, and recommend especially our line of can, separator and bottle brushes.	
Bottle Brushes, each .....	25c. and 40c.
Test Bottle, " .....	5c.
Milk Can, " .....	35c.
Separator, " .....	15c.
Separator Bowl, " .....	35c. and 50c.
Separator Tube, " .....	8c.
Separator Cover Spouts, " .....	15c.

### SPECIAL PRICES FOR LARGE QUANTITIES.

## IDEAL TUB COVER FASTENERS.

Made from tin; easily applied, easily withdrawn. Tin is turned back over head of nails; impossible for nails to drop out.

1,000 in a Package, Price 85c. per thousand.



## BUTTER CARRIERS.

These carriers are made of white spruce and are very strong and durable, with trays so arranged that the butter is not marred in the least in handling. The ice box is made of zinc, and has two compartments, the top for ice and the bottom for the water as the ice melts, so that the ice is melted by air alone, thereby lasting much longer than if the ice rested in the water.

Each carrier is filled with trays, which, when ordering for ice boxes, are  $4\frac{1}{8}$  inches shorter than the dimensions given below.

The capacity given is for half-pound prints of the standard size. The capacity varies with other styles and sizes of prints.

Without Ice Box.	With Ice Box.	No. Trays.	Size.	Price.
12 lbs.		4	$10\frac{1}{4}$ x $7\frac{3}{8}$ inches, $1\frac{1}{8}$ inches deep, inside measure..	\$1.85
24 "	18 lbs.	4	" " " "	2.25
30 "	24 "	4	" " " "	2.35
40 "	34 "	5	" " " "	2.50
50 "	44 "	6	$10\frac{1}{4}$ x $18\frac{1}{2}$ "	2.75

**Ice Box, with three extra Trays, 75 cents. No Ice Box or extra Trays sent unless ordered.**

## Non Returnable Butter Shipping Boxes.

These boxes are furnished in shooek, and are made in the following standard sizes. 25 boxes in a package.

10 lbs. per one hundred, with printed ends, \$ 8.00	48 lbs. per one hundred, with printed ends, \$16.00
20 " " " " 11.00	50 " " " " 17.00
32 " " " " 14.00	60 " " " " 18.00
40 " " " " 15.00	

Price not printed, 50 cents per hundred less.



## “STAR” MILKING TUBES.

For drawing milk from cows with sore or obstructed teats. Made from white metal and heavily plated with pure silver, and warranted equal to solid silver ones in every respect, at about one-fourth the cost. Sent by mail to any address on receipt of price.

**Prices: No. 1, 25c.; No. 2, longer, 30c.; No. 3, longest, 35c.; full set, one of each size, 75c.**



## The “Boston” Aseptic Milking Tube.

Manufactured from silver plated white metal in  $1\frac{1}{4}$ ,  $2\frac{1}{4}$ ,  $2\frac{3}{4}$ ,  $3\frac{1}{4}$  inch lengths, as desired. **Price, each, 25c.**

2 1-4 inch, self-retaining. Exact size.

# The De Laval Separator.

Wherein the De Laval Machines

**EXCEL**

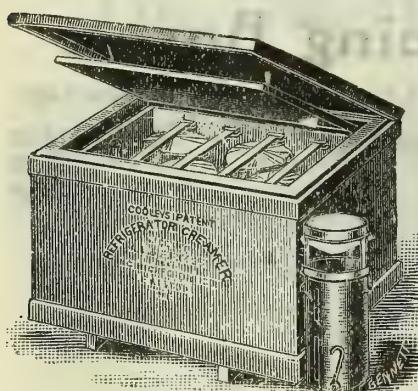
**All other Cream Separators.**



Their separation is the most thorough.  
Their capacities are much the greatest.  
They require very much less power.  
They separate at a much lower temperature.  
Their cream is the smoothest and most uniform.  
They handle all conditions of milk with equal efficiency.  
They are the most easily and completely cleanable.  
They are the most simple and most durable.  
They make a longer continuous separation.  
They remove tuberculosis and other disease germs.  
They fulfill the representations made for them.  
Their merit is proved, not experimental.  
They do everything that any other machine can do, and enough more to save triple their cost each year of use.



**Send for Descriptive Catalogue and Price List.**



## COOLEY CREAMERS.

**“Refrigerator Style.”**

“Refrigerator” style has *double walls*, with two air spaces and two covers, and not being readily affected by heat or cold will require much less ice in the summer season than a single wall tank, and the water will not freeze in the winter season.

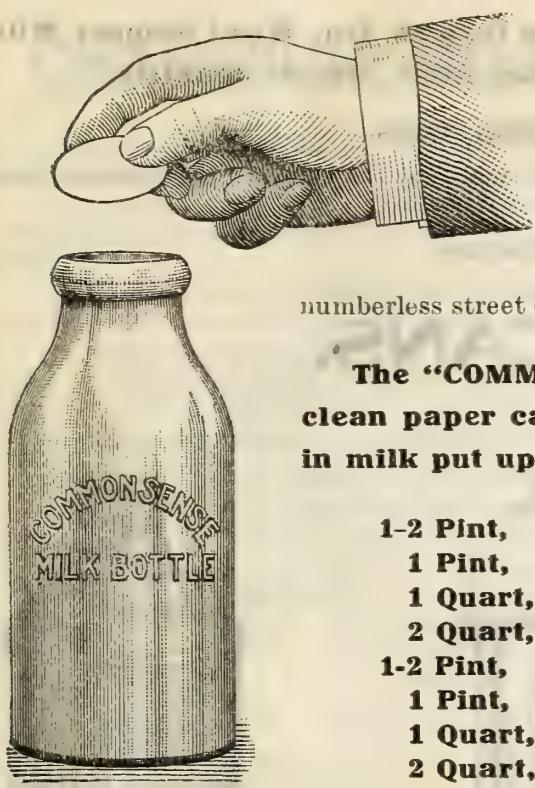
### Price of Tanks, less Cans:

	Price.	Price.	
No. 1, for three cans.....	\$11.00	No. 5, for ten cans.....	\$20.50
" 2, " four cans.....	14.00	" 6, " twelve cans.....	22.00
" 3, " six cans.....	16.00	" 7, " fourteen cans.....	25.50
" 4, " eight cans.....	18.00	" 8, " sixteen cans.....	29.00

Price of tank includes strainer frame and thermometer.

**COOLEY CANS, SEPARATE FROM TANKS, EACH, \$2.00.**

# Milk or Cream Bottles.



Did it ever occur to you that you should investigate the source of your milk supply and the process by which it is handled and delivered?

If you will do so, you will refuse to receive milk in any other vessel than **Glass Bottles**, as it is the only way by which you can get milk that has not come in contact with the numberless street odors, flies, and many other undesirable influences.

**The "COMMON SENSE" Bottle, capped by a strong, clean paper cap, is the best, and no taint is possible in milk put up in these bottles.**

	Per Dozen.
1-2 Pint, Common Sense,	\$ .50
1 Pint, Common Sense,	.60
1 Quart, Common Sense,	.75
2 Quart, Common Sense,	1.25
1-2 Pint, Lightning (Tin Top),	.60
1 Pint, Lightning "	.70
1 Quart, Lightning "	.85
2 Quart, Lightning "	1.35

*Price for gross or more quoted on application.*



Common Sense.  
Paper Cap.

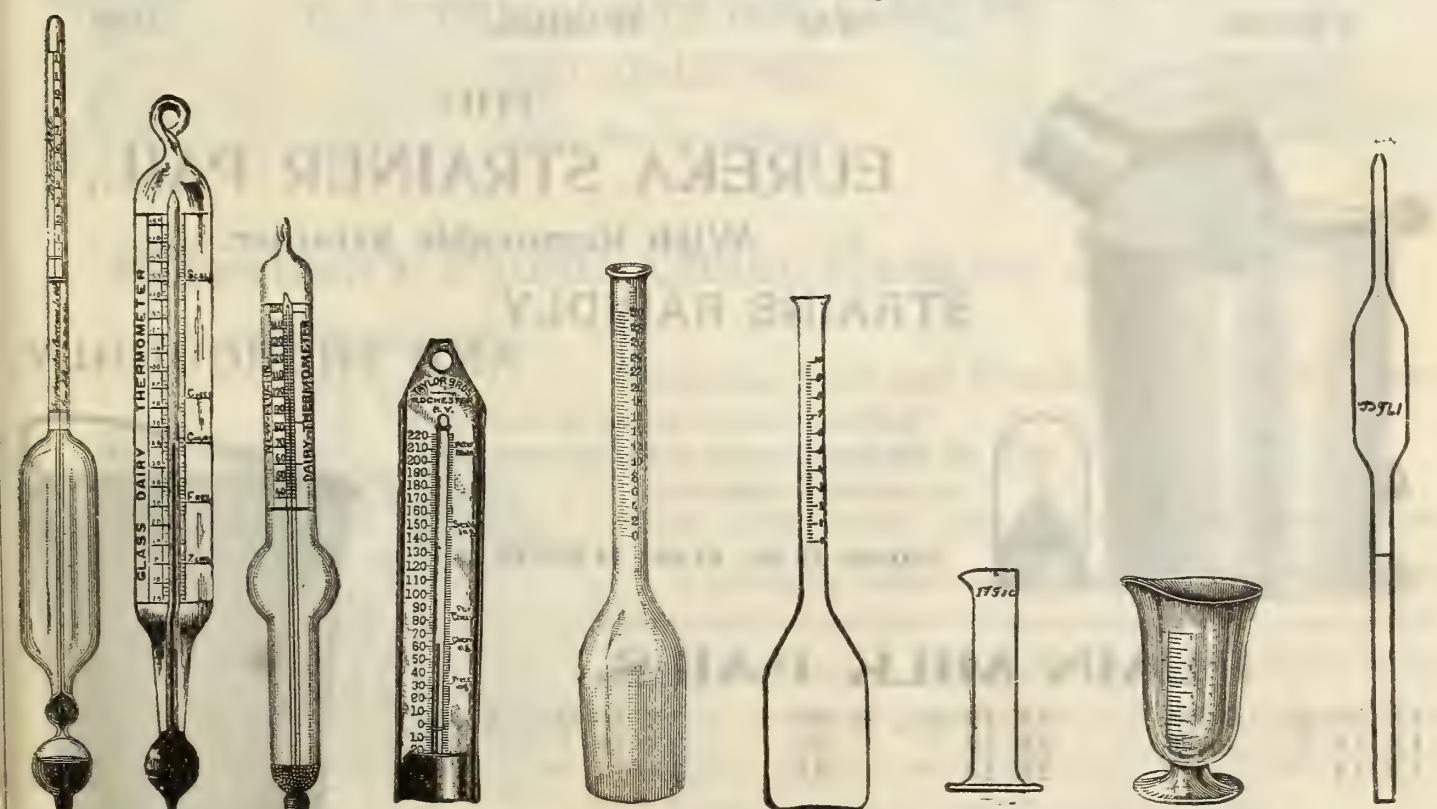
Lightning.  
Tin Top.

## "TESTED" GLASS WARE FOR BABCOCK TEST.

	Each.
Lactometer (Fig. 91), for testing quality of milk,	\$.50
Floating Dairy Thermometer (Fig. 93),	.25
Standard Floating Dairy Thermometer (Fig. 94),	.50
Flange Dairy Thermometer (Fig. 92),	.20
Cream Test Tubes,	.30
Babcock's Test Bottles (for milk), 10 to 25 %,	.35
Babcock's Test Bottles (for cream), 25 to 50 %,	.35
Pipettes,	.25

	Each.
Acid Measures,	\$.30
2-oz. Graduates,	.30
4-oz. Graduates,	.40
6-oz. Graduates,	.50
8-oz. Graduates,	.60

It is advisable to have this "glass ware" sent securely packed by express only, as on account of being fragile it cannot safely be sent by mail.



91

93

94

92

Cream Bottle. Milk Bottle. Acid Measure.

Graduate.

Pipette.

# MILK CANS.

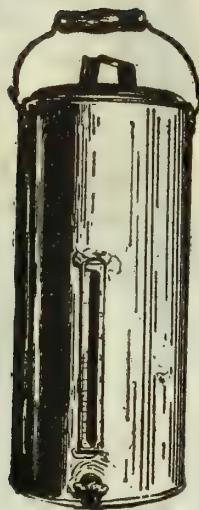
We can furnish Tin, Wood Stopper Milk Cans, in any style, size or quantity.

## 20 quart and 40 quart Shipping Cans.

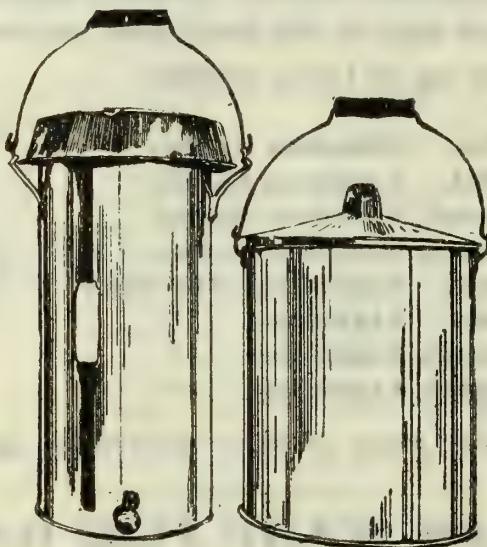
The parts of all our shipping cans are made of steel and heavily tinned by the hand dipping process, after they are formed. Lock cover or not, as ordered.

*Prices furnished on application.*

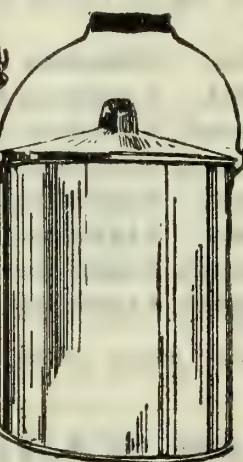
# CREAMERY CANS.



"K. & W." Can.



Cooley Can.



Cream Pail.



Shipping Can.

"K. & W.,"

Cooley,

Goss,

Each, \$1.25

" 2.00

" 1.75

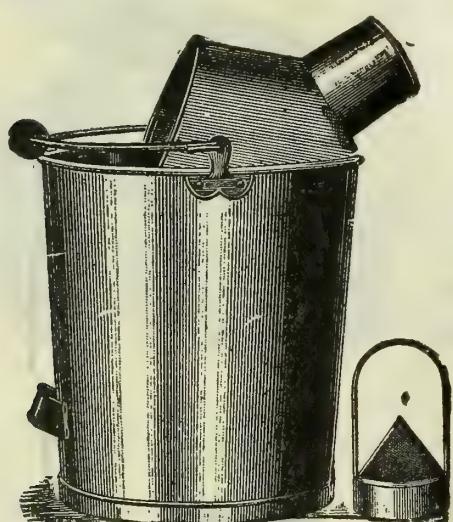
# CREAM PAILS.

5 Gallon,

\$1.00

10 Gallon,

\$1.25



## THE EUREKA STRAINER PAIL,

With Removable Strainer.

STRAINS RAPIDLY

AND THOROUGHLY.

Sediment does not collect on the strainer, but passes beyond and is removed when the strainer is taken out.

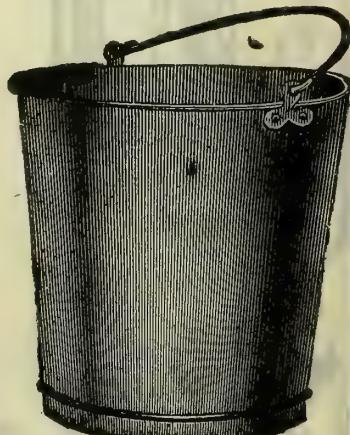
Prices: 12 Qt., \$1.00; 14 Qt., \$1.25.

# PLAIN MILK PAILS.

1X 10 Qt., \$ .25  
1X 12 " .30  
1X 14 " .35

2X 10 Qt., \$ .30  
2X 12 " .35  
2X 14 " .45

3X 10 Qt., \$ .40  
3X 12 " .45  
3X 14 " .50



WEIGHING PAIL AND TUBE, \$2.50 EACH.

# CHAMPION MILK COOLER AND AERATOR.

*A perfect aerator, removing all flavors arising from excessive cabbage, turnip or silo rations.*

*A complete deodorizer, removing the animal heat or cowy taste and all odors arising from the absorption by the milk of stable or other unpleasant gases.*

*A thorough cooler, reducing the temperature of the milk in one minute nearly to the temperature of the cooling medium.*

*It is equally well adapted to the use of any cooling medium, either running water, ice water, or, if a very low temperature is not required, ordinary well or spring water.*

*Is automatic, requiring no attention while in operation.*

*Is low down, combining greatest cooling surface with least height.*

*It is as simple in construction and easily cleaned as a pail—no joints or seams for the harboring of impurities and no crooked pipes to rust.*

No.	Capacity of Milk Receiver.	Size of Dairy.	Takes Care of	Price.
2.	18 quarts	10 to 25 cows	3 milkers	\$5.50
3.	34 "	25 to 50 "	5 "	6.00
4.	52 "	50 to 100 "	8 "	7.50



## IMPROVED Circular Spring Balance Milk Scale,

Weighing up to 60 pounds, used by most dairymen. Price, \$3.75.



## DAIRY SCALES.

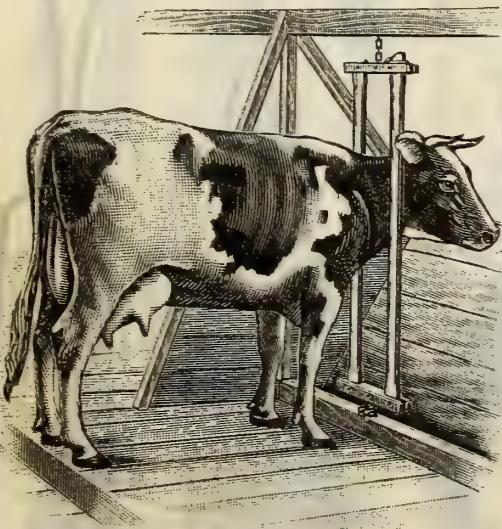
FULL LINE—ALL SIZES.

### PLATFORM SCALES FOR FARMERS AND DAIRYMEN.

Write for quotations.



## Robertson's Patent Chain Hanging Stanchions.

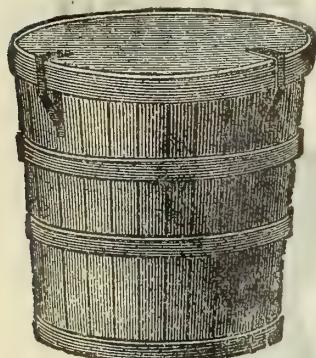


Practical, Safe and Durable, and Afford Comfort to the Animal.

Made with either rigid or adjustable neck space.

A pleased customer is the best possible endorsement that an article can have. These stanchions are in use by thousands of the most successful dairymen and farmers all over the country, who have had practical experience and know that these stanchions are not experiments, but are "best by test."

WRITE FOR PRICE LIST.



## Butter Tubs.

We are in a position to furnish superior spruce butter tubs, in any quantity desired.

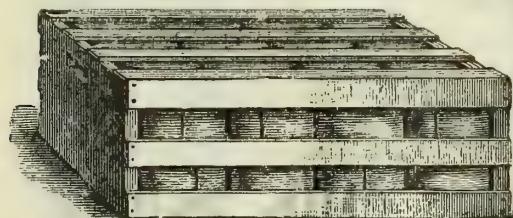
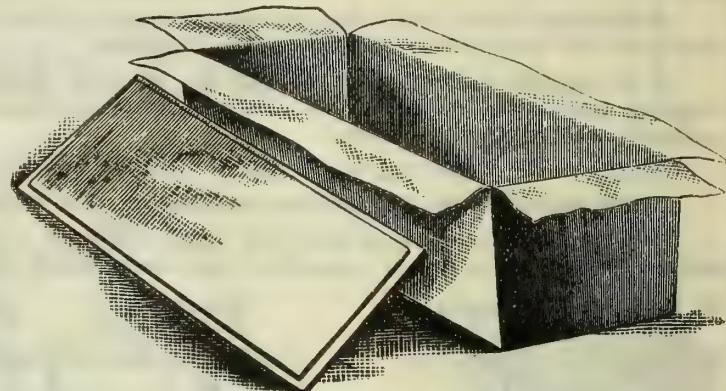
Tubs are kept in stock in 10, 20, 30 and 50 pound sizes, and shipments can be promptly made.

Special prices for large quantities. Write for quotations.

### Improved Oblong Butter Box,

With Parchment Lining.

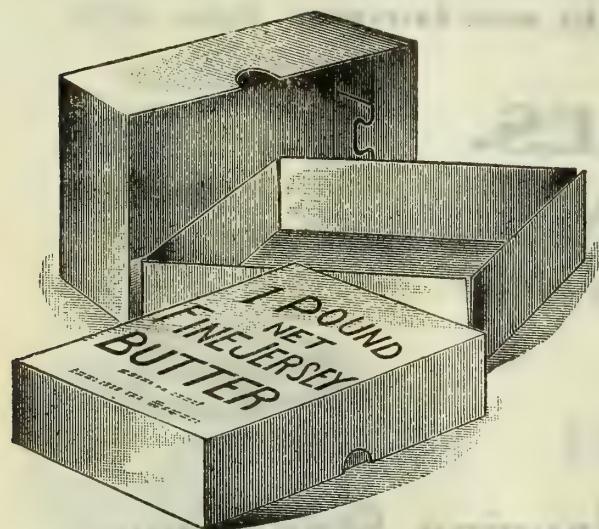
The box holds five pounds of packed butter, is nearly brick shaped, flaring so the butter will turn out, and is in the best possible shape to cut up for the table in square-like prints, and free from waste. Write for prices.



### ROUND BUTTER BOX.

This is a round, firm, clean and cheap package in which to send butter to market. The wood from which it is made is thoroughly steamed before working, which makes it as nearly odorless and tasteless as possible.

Write for Prices.



### ONE POUND

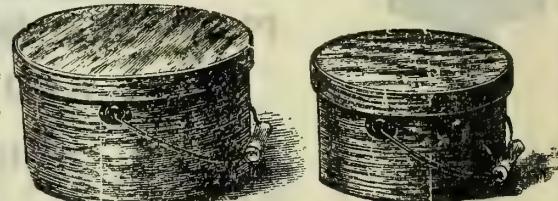
### Folding Paraffined Paper Butter Boxes.

ODORLESS AND TASTELESS.

WRITE FOR QUOTATIONS.

### Oak Bail Boxes.

	Price Each.
Large,	40c.
Small,	30c.



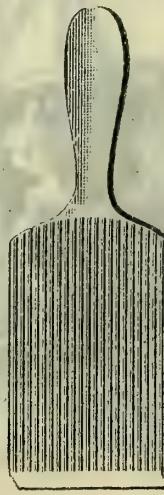
### Butter Ladles,

15c



### Plain Butter Spades,

10c



### Creased " "

10c



### " (White Holly) "

15c

## Small's Calf Feeder.

This is a device by which the calf may be fed away from its dam, and with any mixture of milk, skim milk, warm water, porridge (or whatever else is healthful and desirable), with convenience and in the natural way with that admixture of saliva which does not occur when calves drink from a pail.

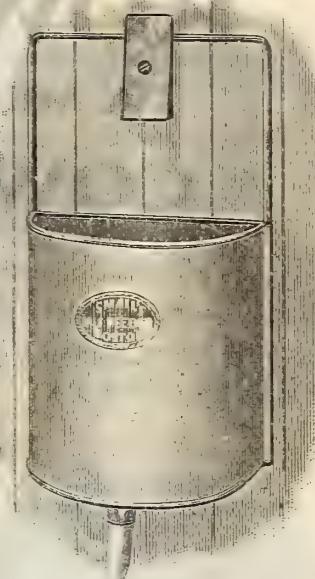
**Price, \$2.50. Extra Nipples, 25c. each.**

## COMMON SENSE CALF FEEDER.



One of the best made, most durable and convenient feeders on the market. Has the endorsement of many of the leading dairymen and stock raisers.

**PRICE.**



## RICE'S WEANER.

For preventing calves and cows sucking themselves or each other.

No. 1, for calves, **30c.**; by mail, **35c.**

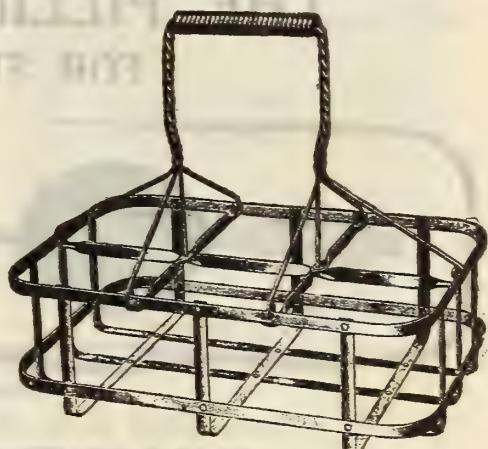
No. 2, for heifers, **50c.**; by mail, **55c.**

No. 3, for cows, **75c.**; by mail, **85c.**



## WIRE MILK BOTTLE CARRIERS.

2	quarts, round wire, each,	\$ .50
4	" " " "	.55
6	" " " "	.65
8	" " " "	.75
6	flat wire,	.85
8	" " " "	1.00

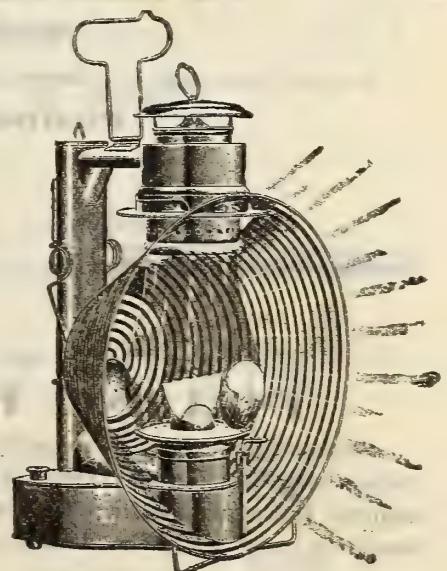


HAM'S TUBULAR  
"Search Light" Lanterns.

**No. 2 Burner, one-inch Wick, finished in  
Blue Japan.**

Just the lamp you want where a strong light is required and to be spread over a large space, as in creameries, stables, saw and planing mills, warehouses, packing houses, workshops, picnic grounds, lawns, summer resorts, etc. The lamp throws a brilliant and steady light, and will burn as well out of doors as inside, without smoking or flickering, and is not affected by the wind or strong drafts.

We have in stock a full line of all the leading lanterns. Prices furnished on application.



**"SEARCH LIGHT" LANTERN.**

# KOW-KURE.

A MEDICINE FOR  
COWS ONLY.



It acts upon the digestive, generating, and milk-secreting organs, keeping the entire system toned up and in perfect working order; prevents Abortion, cures Barrenness, removes Retained Afterbirth, stops the Scours, cures Milk Fever, Caked Udder, Swelling in the Bag, cures cows "off their feed," improves the quality of milk and MAKES COWS PAY. **Price, 50c. and \$1.00 per Can.**

## GRANGE GARGET CURE.

Positively cures Garget without in any way injuring the cow. **Price, 50c. per Can.**

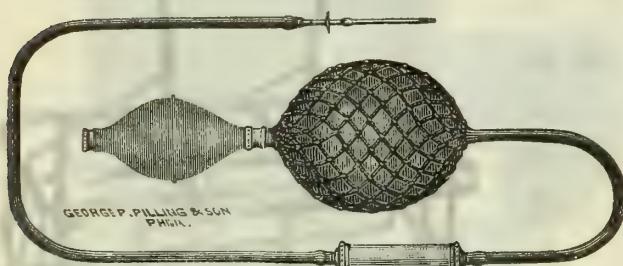
## BAG BALM.

For Sore Teats, Caked Udder, and inflammation. **Price, 50c. per Can.**

## COW'S RELIEF.

A standard remedy among dairymen. A sure relief for Caked Udder, and will keep bag and teats free from soreness. **Price, 50c. and \$1.00 per Can.**

## THE PILLING MILK FEVER OUTFIT FOR STERILIZED AIR TREATMENT.



This Treatment has cured 97 per cent. of all Cases Treated.

Recommended by the Bureau of Animal Industry,  
United States Government Department of Agriculture.

The outfit consists of the instrument, a roll of tape,  
a package of carbolized cotton, and full directions.

**Price, \$3.00.**

## PILLING LEAD PROBE.

WITH FULL DIRECTIONS.

For the treatment of obstructed teats, also for enlarging the opening.

**Postpaid, 25 cents each.**



## PILLING TEAT EXPANDER.

For hard milking cows.

**Postpaid, 50 cents each.**

## PILLING HARD RUBBER TEAT PLUG.

Especially designed for two purposes: first, to prevent dropping of milk in cows where there is relaxation of the little muscle at the end of the teat and consequent leakage of milk; and secondly, to dilate the canal of the teat above the muscle in cases where hard milking is due to contraction of this part of the canal.



**Postpaid, 50c. each.**

## OX MUZZLES.



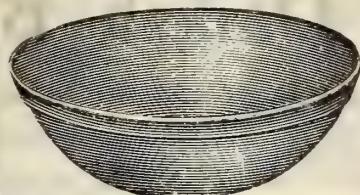
Small, per pair, 30c.  
Large, " " 40c.

## COW BELLS.



No. 1, 45c.  
No. 2, 35c.  
No. 3, 30c.  
No. 4, 25c.

## WOOD BOWLS.



OILED.	PLAIN.
11 in., 10c.	12 in., 15c.
13 " 15c.	14 " 25c.
15 " 25c.	16 " 30c.
17 " 40c.	18 " 45c.
19 " 60c.	20 " 65c.
21 " 75c.	22 " 80c.

## WOOD TRAYS.



No. 0, . . . . .	40c.
No. 1, . . . . .	45c.
No. 2, . . . . .	65c.
No. 3, . . . . .	75c.
No. 4, . . . . .	\$1.00

## SIEVES.

Wire Sieves, 12 inches, ~~11 inches~~ Price, each, 20 cents.

Wire Sieves, 13 " " " 25 "

Wire Sieves, 14 " " " 30 "



## WOOD MILK OR CREAM BOTTLE CASES.

The case is designed to put the bottle in when filled with milk for delivery. The rack inside is removable for the purpose of cleaning.

Quart Case, holding 12 Quart Bottles, . . . . .	45 cts.
Pint " " 12 Pint " " " . . . . .	40 cts.

## Milk Bottle Caps.

No. 1 and No. 2 size, plain or printed caps, 25c. per 1,000.

In cases of 5,000, \$1.10 per case.

No. 1 and No. 2 size, plain or printed "lip" caps, 25c. per 1,000.

In cases of 5,000, \$1.10 per case.

Special price on barrels containing 50,000 caps.

## ACID—For Babcock Test.

Pure, Clear, Free from Specks.

We guarantee this Acid to be of proper strength for making tests.

By the pound or in carboys. Price on application.

## FARRINGTON'S ALKALINE TABLETS.

For Testing the Acidity of Milk or Cream.

Tablets ~~1~~ ~~2~~ ~~3~~ ~~4~~ ~~5~~ ~~6~~ ~~7~~ ~~8~~ ~~9~~ ~~10~~ ~~11~~ ~~12~~ ~~13~~ ~~14~~ ~~15~~ ~~16~~ ~~17~~ ~~18~~ ~~19~~ ~~20~~ ~~21~~ ~~22~~ ~~23~~ ~~24~~ ~~25~~ ~~26~~ ~~27~~ ~~28~~ ~~29~~ ~~30~~ ~~31~~ ~~32~~ ~~33~~ ~~34~~ ~~35~~ ~~36~~ ~~37~~ ~~38~~ ~~39~~ ~~40~~ ~~41~~ ~~42~~ ~~43~~ ~~44~~ ~~45~~ ~~46~~ ~~47~~ ~~48~~ ~~49~~ ~~50~~ ~~51~~ ~~52~~ ~~53~~ ~~54~~ ~~55~~ ~~56~~ ~~57~~ ~~58~~ ~~59~~ ~~60~~ ~~61~~ ~~62~~ ~~63~~ ~~64~~ ~~65~~ ~~66~~ ~~67~~ ~~68~~ ~~69~~ ~~70~~ ~~71~~ ~~72~~ ~~73~~ ~~74~~ ~~75~~ ~~76~~ ~~77~~ ~~78~~ ~~79~~ ~~80~~ ~~81~~ ~~82~~ ~~83~~ ~~84~~ ~~85~~ ~~86~~ ~~87~~ ~~88~~ ~~89~~ ~~90~~ ~~91~~ ~~92~~ ~~93~~ ~~94~~ ~~95~~ ~~96~~ ~~97~~ ~~98~~ ~~99~~ ~~100~~ ~~101~~ ~~102~~ ~~103~~ ~~104~~ ~~105~~ ~~106~~ ~~107~~ ~~108~~ ~~109~~ ~~110~~ ~~111~~ ~~112~~ ~~113~~ ~~114~~ ~~115~~ ~~116~~ ~~117~~ ~~118~~ ~~119~~ ~~120~~ ~~121~~ ~~122~~ ~~123~~ ~~124~~ ~~125~~ ~~126~~ ~~127~~ ~~128~~ ~~129~~ ~~130~~ ~~131~~ ~~132~~ ~~133~~ ~~134~~ ~~135~~ ~~136~~ ~~137~~ 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# Chr. Hansen's Danish Butter Color.

**The Most Uniform, the Purest and the Most Natural Shade.**

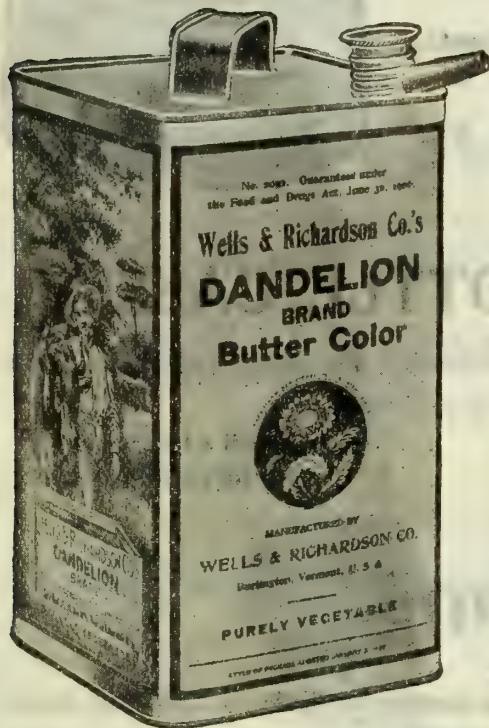
Made with the finest imported vegetable oil.

To butter makers desiring a pure, vegetable butter color, we do not hesitate to recommend Hansen's Danish as unquestionably the best in every respect.

Its high quality has never been approached by any competing preparation, and many shippers of the finest butter demand the exclusive use by their butter makers.

**Price List.**

Small size,	to color about 500 lbs	.....	\$ .25
Medium size	" " 1250 lbs	.....	.50
Large size,	" " 2800 lbs	.....	1.00
Cans,	1 gallon each,	.....	2.50



**WELLS, RICHARDSON & CO'S.**

## Dandelion Brand Butter Color.

**PURELY VEGETABLE.**

**Will not become rancid.**

**Will not color the buttermilk.**

**Gives a bright June color.**

**Always gives satisfaction.**

**Price List.**

Small size,	4 ozs., to color about 500 lbs	.....	\$ .25
Medium size,	" 10 " 1250 lbs	.....	.50
Large size,	" 24 " 2800 lbs	.....	1.00
Cans,	1 gallon each,	.....	2.50

# Chr. Hansen's Danish Dry Lactic Ferment.

**FOR RIPENING CREAM AND MILK.**

**PRICE LIST.**

<b>LARGE PACKAGE.</b> —Single package, by mail	.....	\$2.25
Three packages, by express, prepaid	.....	6.00
<b>SMALL PACKAGE.</b> —Single package, by mail	.....	1.00
Three packages, by mail	.....	2.25

## Hansen's Danish Rennet Extract and Rennet Tablets. For Cheese Making.

Always of the same strength, entirely preservable, separates the cheese matter completely, and gives the greatest quantity possible. **Price, can of 200 tablets, \$2.50.**

# ICE TOOLS.



**Bar Chisel.** Price, \$3.50.

Used for trimming off any unevenness of the blocks when stowing ice in the house, and for spacing and straightening the seams.



**Breaking Bar.** Price, \$3.50.

The pad end is blunt, having no sharp edge, and is used for "breaking off" in a groove. The chisel end is convenient in case a sharp edge is required, and for splitting off single cakes.



**Splitting Fork.** Price, \$4.00 to \$4.50.

These forks are made with long steel tines, tapered so as to give great wedging power in the plow-grooves without "shelling" the ice. Their weight makes them particularly useful in breaking off floats or large sheets from the ice field, and they cannot be excelled for splitting the floats into strips when the grooving is insufficiently deep or partially frozen.



**Splitting Chisel.** Price, \$2.25 and \$2.50.

These chisels are used to split off single cakes, either in the canal or on the platform, and they are handy for general use, being light in weight and having a blade of uniform taper on both sides.



**Ring Handle Splitting Chisel.**  
Price, \$2.50 and \$2.75.



**Ice Shaver.** Price, \$2.00 to \$2.75.

Shavers are used to shave ice into fine pieces, when delivered by the basket, for saloon or restaurant use, and for various other purposes.

Shaver teeth are beveled on one side only.



**Ice Saw.**



**Ice Hook.**



**Line Marker.** Price, 90c.

Our ice saws are made in the most superior manner. The teeth are extra long, and have a large bevel, causing them to cut rapidly.

Our ice hooks are manufactured of the best stock, and are heavily steeled, making them very stiff and strong, without being heavy and unhandy.

The puller or the pusher can be bent cold to any angle desired by properly placing the part between the jaws of a vice, if our standard needs to be varied for individual use.

The line marker is a simple affair, by which a scratch on the ice one-half inch deep can be made, using a straight board as a guide. The marker teeth are run in this shallow mark, thus making the first groove in marking out the field of ice.



**Tongs.**

These tongs are the *very best models* which experience can produce, and their quality cannot be excelled. All our tong points, which are of fine steel, are carefully tempered to hold sharp edges and to do long service.

The span of tongs is indicated in inches when they are open as wide as possible.

**Write for Illustrated Catalogue of all Ice Tools.**

## PRAY'S PATENT ICE PLOW.

This plow is especially designed to meet the demand for a cheap and efficient ice cutter for farmers and dairymen. It will cut from 20 to 40 tons an hour, cutting the ice blocks of uniform size, which saves much labor when packing.

### The Superiority of Pray's Ice Plow.

1st. The extra weight of the rider holds the plow to its work and allows the horse to be hitched much closer to the plow—an advantage where the pond is small and all the ice needed from the edge of the pond.

2nd. It is the only plow that can be successfully used by one person. The draft back of runners omits the necessity of leader or rider.

3rd. It is the only plow that has an adjustable tooth.

4th. It is the only plow that works with runners.

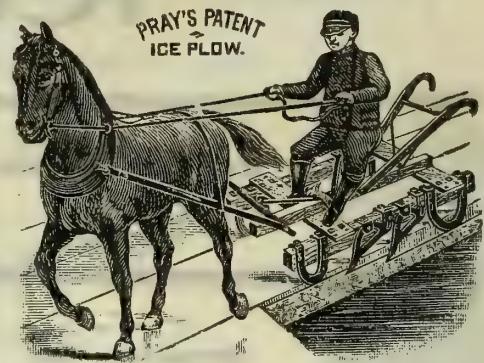
5th. It turns easier at the end of the row than any other plow.

6th. It cuts ice with more economy on a small pond than any other plow.

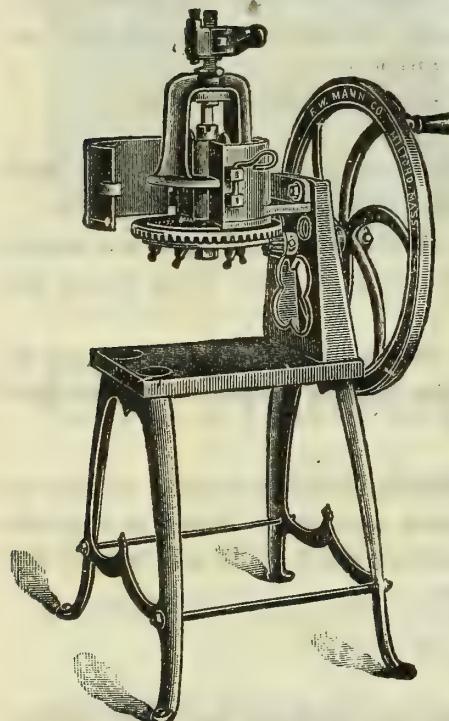
Upon a shallow pond where a saw cannot be used this plow is indispensable. A horse and one man can cut as much ice as ten men with saws.

### WARRANTED TO WORK AS REPRESENTED.

Price, Four-Tooth Plow, \$12.00; Six-Tooth Plow, \$16.00; Eight-Tooth Plow, \$17.00.  
Ten-Tooth Plow, \$18.00.



## MANN'S BONE CUTTERS.



No. 9.

### THE STANDARD OF EXCELLENCE.

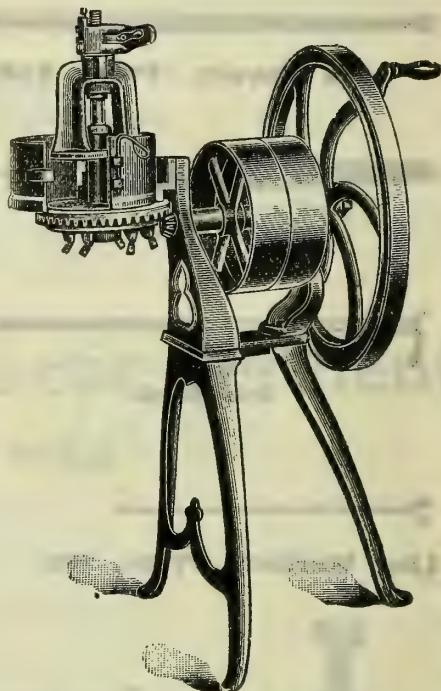
A Standard which has only been Obtained  
by Years of Experience.

### PRICE LIST.

#### NO DISCOUNT FROM THESE PRICES.

No. 5C (with Crank Handle),	\$6.00
No. 5B (with Balance Wheel),	8.00
No. 5BM (with Bal. Wheel & Iron Stand),	10.40
No. 7 (with Balance Wheel),	12.00
No. 7 1-2 (Semi-power Machine),	16.00
No. 9 (Standard Bone Cutter),	18.40
No. 11 (Comb'n Power Cutter),	26.00
No. 12 (Small Power Cutter),	30.00
No. 15 (Large Power Cutter),	60.00
No. 14 (Large Power Cutter),	76.00

Send for Illustrated Catalogue.

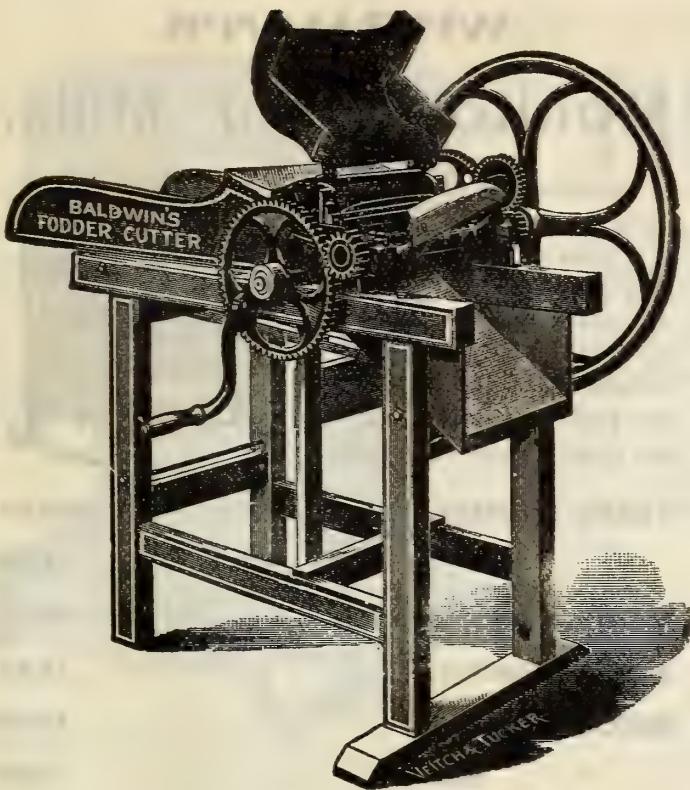


No. 7 1-2.

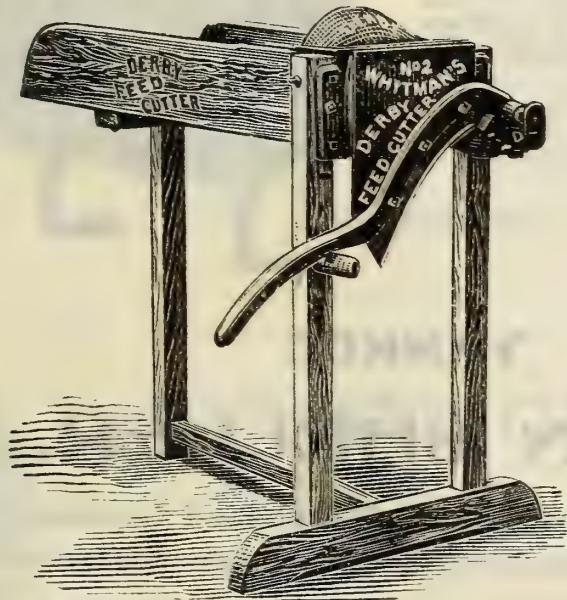
## STANDARD BONE CUTTERS.

Cuts bone into just the right sizes for both chicks and hens. It is easily and quickly adjusted, durable strong and rigid, and the knives keep their edge for a long time.

Prices quoted on application.



## Derby Feed Cutters.



This iron handle level cutter is so simple and easy to work as to commend it to everybody who has but a moderate amount of stock to feed. The knife is easy to adjust, grind and keep in repair.

**Price, from \$3.50 to \$6.00.**

## BALDWIN

# Ensilage and Fodder CUTTERS.

**MADE IN 12 SIZES.**

Everywhere recognized as a standard machine and sold by the leading trade throughout the country.

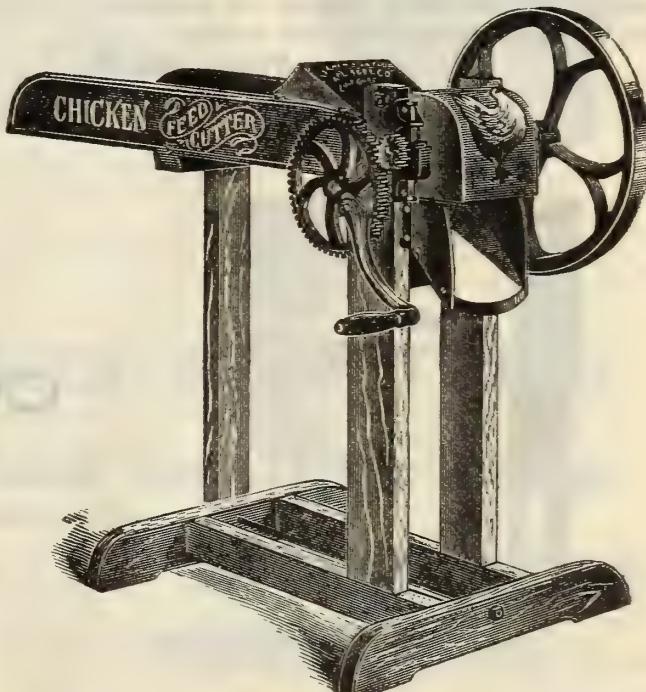
The only really successful machine made for light power, and one which is easy to feed, easy to keep in order, and is very durable.

Cuts with great rapidity hay, straw, corn stalks, ensilage, etc. Guaranteed to give satisfaction.

**Send for Circular and Price List.**

## Chicken Feed Cutter.

**Invaluable to Poultry Raisers.**

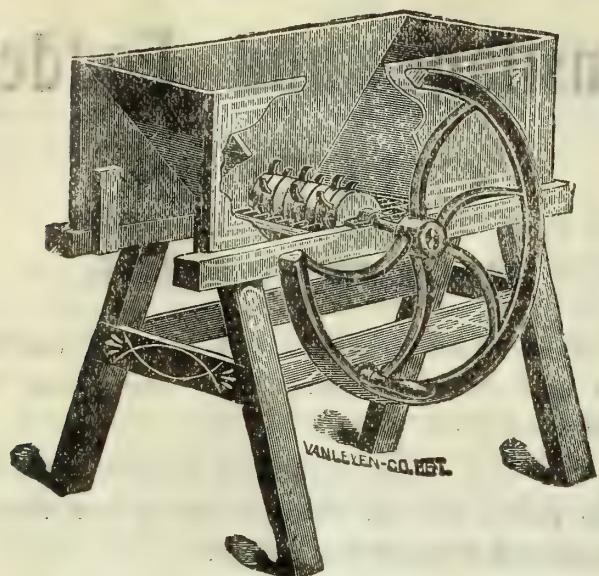


This is a highly efficient machine for cutting clover, hay or other feed into extremely short lengths. It is made with three knives  $6\frac{1}{4}$  inches long, and a self-feeding comb roller, which straightens the feed as it is presented to the knives, making a more uniform length of cut. It cuts very rapidly, being one of the fastest machines of its size.

Cuts 1-4, 7-16, and 3-4 inches.

**Price, \$15.00.**

## Champion Root Cutter.



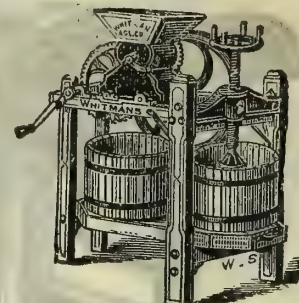
This well-known root or vegetable cutter has been on the market for many years, and is too well known to need further description. It is well made of good material.

**Price, \$6.25.**

## WHITMAN'S

## Monitor Cider Mills.

Several improvements have been added, such as new hopper, the rolls made longer and larger in diameter, new adjustable crusher or breaker roll, which increases the capacity, grinds the fruit coarse or fine, as the grinders are adjustable.

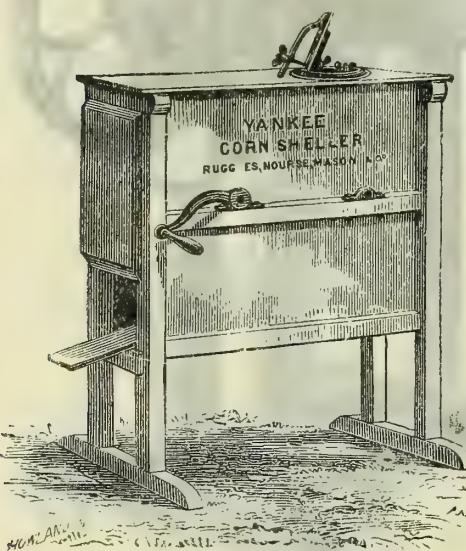
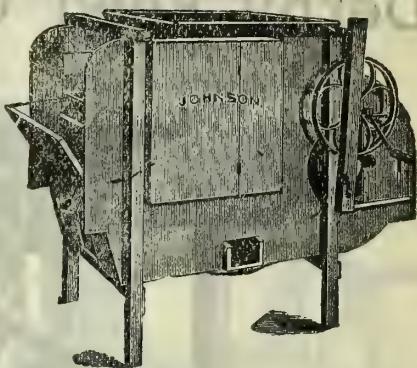


<b>Senior Monitor, 2 Crank,</b>	<b>\$22.50</b>
“ “ “ 1 “ “	21.00
<b>Medium Monitor,</b>	<b>16.50</b>
<b>Junior Monitor,</b>	<b>13.25</b>
<b>Hutchinson No. 1,</b>	<b>10.00</b>
“ No. 0,	9.00

## Johnson Fan Mill.

The fan mill is indispensable to a well-regulated grain barn. This mill runs the sound, clean grain to one side of the mill, while the sand and small seeds pass out at the other, and the heavy chaff and heads are caught in a receptacle behind the machine. It will not only clean grain, but also grass seed in the best manner.

**Price, \$16.00.**



## YANKEE

## CORN SHELLER.

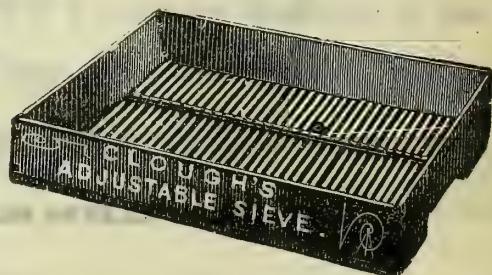
A finely constructed and serviceable machine, at a moderate price, and one which runs easily and works well on all sizes and kinds of corn.

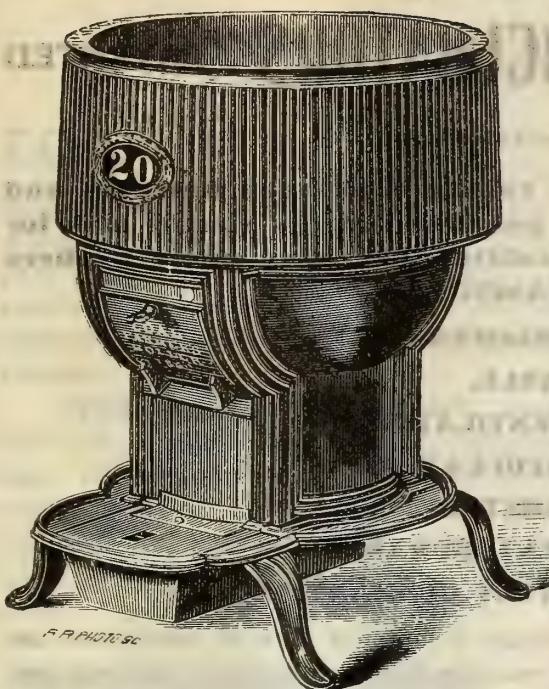
<b>Price (plain),</b>	<b>\$6.50.</b>
“ <b>(with separator),</b>	<b>7.50.</b>

## Clough's Adjustable Sieve.

In offering this adjustable sieve to farmers and others, we know that they will find it useful and valuable for separating foul seeds from grain, and sifting out the small grain, thereby getting the most vigorous kernels for seed; also for cleaning and sorting beans, peas, etc.

**Price, \$1.75.**





## FARMERS' BOILERS.

Simple and practical in construction, and convenient to use. Kettle very smooth, with extra thick bottom.

A perfect food cooker for stock, and useful for many purposes about the farm.

### Price.

15 gallon boiler with stove (wood burning).....	\$12.50
22 " " " "	15.50
30 " " " "	20.75
45 " " " "	26.00
60 " " " "	31.25

## Galvanized Iron Bushel Baskets.

These baskets are made of galvanized iron, and are furnished with malleable iron handles. Strong, durable and useful.

**Price, 75 cents.**



## PINE AND CUCUMBER WOOD PUMPS.

**Pump Curbs, Pump Fixtures, Tubing, Chain and Rubber Buckets.**



### KEYSTONE POST AUGER.



Will do three times the work of any other auger on the market.

**Price, \$1.75 each.**

### FINISHED OX BOWS.

Made from fine second-growth hickory, shaved by hand, and smoothly finished.

Price per pair, 2 $\frac{1}{4}$ in.	\$1.50
" " " 2 in.,	1.35
" " " 1 $\frac{3}{4}$ in.,	1.10
" " " 1 $\frac{1}{2}$ in.,	.90

WE ARE AUTHORIZED AGENTS FOR

## GENUINE STANDARD CYPHERS INCUBATORS PATENTED

(Look for Trade Mark—Demand the Label.)



Practical poultry raisers who mean business and desire the greatest possible success should look for and DEMAND the qualities that have made Cyphers Incubators WORLD FAMOUS.

**FIRE-PROOFED,  
INSURABLE,  
SELF-VENTILATING,  
SELF-REGULATING,  
NON-MOISTURE,  
EFFICIENT, DURABLE and  
POSITIVELY GUARANTEED.**

## FOR 1911

We offer our customers the Cyphers Company's complete line of incubators and brooders—the best on the market. For years the Cyphers Incubator has been consistently improved, always maintaining its leadership, until to-day it represents all that is most efficient, convenient and reliable in incubator construction.

**TO OWN A CYPHERS** is to have an incubator that stands first, not only because it has affixed to it the fire insurance label granted by the National Board of Fire Underwriters and bears a world-wide reputation, but because of the well established fact that it is the best hatcher of large, vigorous, livable chicks. It is positively guaranteed to outhatch any other make of incubator under widely-varying conditions, season after season, and to last ten years without repairs.

DEMAND THIS LABEL



YOUR SAFETY

Form of Brass Label to be Found (in serial numbers) on Every Standard Cyphers Incubator All Sizes.

**THE PRINCIPLES OF CONSTRUCTION** that have made Cyphers Incubators "the world's standard hatcher" for the last twelve to fifteen years remain unchanged in the 1911 pattern. Their patented features, their entire freedom from the bothers, disappointments and losses common to the "cheap" or "bargain" incubator, make these high-class machines the best for you to own first, last and all the time. They are used with unequalled success in all parts of the civilized world, under every practical condition by men and women in all walks of life. They are money savers and money makers for poultry raisers who "mean business"—for men and women who want a real incubator with which to get out of poultry keeping all the profit and all the pleasure there is in it.

**CYPHERS INCUBATORS** have now been on the market fifteen years and to-day are used by more government experiment stations, on more large, practical poultry plants, on more successful duck and egg farms and by a larger number of foremost poultry breeders than all other makes combined.

**EVERY STANDARD CYPHERS INCUBATOR IS GUARANTEED** by the manufacturers to do first-class work in the hands of every purchaser who will give it a fair trial and we hereby place our guarantee back of theirs. In buying a Cyphers you take no chances. Persons who earnestly desire to succeed in the poultry business should have the right tools with which to work. Write us to-day for free illustrated catalogue telling all about these superior hatching machines.

## SIZES AND PRICES OF CYPHERS FIRE-PROOFED INCUBATORS.

No. 0 Holds 70 Hens Eggs.	\$15.00	No. 2 Holds 244 Hens Eggs.	\$32.00
No. 1 " 144 " "	22.00	No. 3 " 390 " "	38.00

**NOTICE:** The above prices are factory prices. In buying of us you save on freight and also save valuable time. Incubators, brooders and supplies carried in stock the year around.

WE ARE AUTHORIZED AGENTS FOR

## STANDARD CYPHERS BROODERS.

FOR 1911 Cyphers Unequalled Apartment Brooders FIRE-PROOFED, INSURABLE, SELF-REGULATING.

have the same important advantages over all other makes that are possessed by Cyphers Company's 1911 incubators, in that they are fire-proofed and insurable, having the first fire insurance inspection label ever granted on a brooder.

**CYPHERS 1911 BROODERS**, every size and style, are self-regulating and self-ventilating. The outdoor styles are useable also as colony coops for the growing chicks. They are easily and quickly converted into colony roosting coops by simply taking out the hover, which is made removable for that purpose.



STYLE B OUTDOOR BROODER.

(Three apartments. Safest and most popular "Foster Mother" ever designed.)

**THIS DOUBLE USE** of the Cyphers Brooder means a considerable saving of money. It makes a safe and comfortable enclosure for the young chicks at night and saves the buying of a coop for them. These outdoor brooders, on account of their fire-proof construction, can be used indoors, although we supply a special brooder, Style D, for indoor purposes. All Cyphers 1911 Brooders, both outdoor and indoor, contain either two or three apartments. The popular Style B (shown in illustration herewith), contains three apartments—first, roomy space under the hover; second, hover chamber; third, well-lighted exercising apartment. It has often been said by users of the Cyphers Brooders that



DEMAND THIS LABEL.  
YOUR SAFETY.

Form of Brass Label to be found (in serial number) on every Cyphers Brooder.  
All Sizes.

## THEY MOTHER THE CHICKS BETTER THAN A HEN

**AN IMPORTANT REASON** for this is found in the great practical advantage possessed by the entire line of Cyphers Brooders for 1911 in their self-regulating feature. For years the self-regulator was attached only to the highest priced Cyphers Brooder (Style C), but it was so well received that now it is attached to all the Cyphers Company Brooders. It automatically regulates the heat in the brooder underneath the hover at all times, whereas in brooders without a regulator the heat has to be governed by a continuous watching of the lamp and turning the wick up or down whenever more or less heat is required.

**IN ADDITION** to this unequalled line of brooders, we offer separately the Cyphers Company's **Adaptable Hover**. This machinery-made, all-metal, guaranteed fire-proof heating and brooding device is suitable to be used anywhere that heat is required for brooding chicks or ducklings. It can be used in a roosting coop, colony house, shed, hen house, barn or other building with or without any additional enclosure for the chicks, or in a large goods case or organ or piano box.

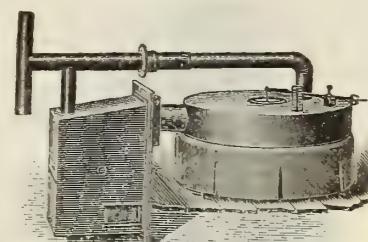
Is pronounced by thousands of users to be the best device thus far invented for heating home-made brooders. Recommended especially for use in long brooding houses, one hover for each pen. Adaptable hover is complete in itself, bears insurance label as a separate device, and is safe to use anywhere. Weight, boxed for shipment, only 40 pounds.

**COMPLETE CATALOGUE** for 1911 contains fully illustrated description of this self-regulating, fire-proofed hover, also of the entire line of Cyphers apartment brooders.

## SIZES AND PRICES OF CYPHERS ADAPTABLE HOVER AND BROODERS.

Adaptable Hover, Capacity 75 Chicks, . . . . .	\$ 8.50
Style A, Two Apartment Outdoor Brooder, Capacity 75 Chicks, . . . . .	12.50
Style B, Three Apartment Outdoor Brooder, Capacity 100 Chicks, . . . . .	16.50
Style C, Three Apartment Outdoor Brooder, Capacity 100 Chicks, . . . . .	18.50
Style D, Three Apartment Indoor Brooder, Capacity 75 Chicks, . . . . .	11.50

**NOTICE:** Brooders shipped knocked-down at low freight rates.



ALL METAL ADAPTABLE HOVER.

(Self Regulating and Bears Insurance Label as Separate Device.)

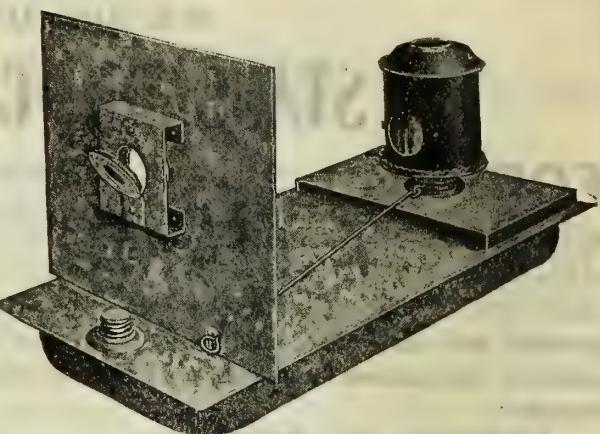
### Cyphers Improved Insulated Brooder Stove.

This stove combines a heater proper, a burner equipped with new-style metallic chimney, which protects the flame at all heights from drafts and prevents smoking, an insulating plate that serves also as a stove slide, and an upright plate of galvanized iron that forms the door to the brooder through which the stove is operated.

**Price, \$1.75.**



Cyphers Safety Brooder Stove.



Cyphers Improved Insulated Brooder Stove.

### Cyphers Safety Brooder Stove.

The safety water pan on the Cyphers Safety Brooder Stove holds nearly a quart of water, and extends out over the entire surface of the oil bowl, thus placing a sheet of cold water one inch to one and one-half inches in thickness between the oil bowl and the flame jets.

**Price, \$1.75.**



Cyphers Practical Egg Tester.

### Cyphers Practical Egg Tester.

Is 18 inches high, 10 inches wide and 10 inches deep. The top is of galvanized iron, and is equipped with an extra strong reflector. The lamp is made of the best block tin, the seams being machine turned, and soldered and tested for leaks. The burner is of the latest pattern and construction. No chimney is furnished, because of the liability of breakage in shipping. An ordinary glass chimney will fit the burner and is exactly adapted to the purpose.

**Price complete (including box, lamp and reflector), \$1.50.**

### Cyphers X-Ray Egg Tester.

Is made of block tin and consists of a central cylinder or lamp flue  $5\frac{1}{4}$  inches high, with an outside diameter of  $2\frac{1}{8}$  inches at the base, and  $2\frac{3}{8}$  inches at the top. It is designed for use on an ordinary hand lamp, and fits over any style of burner with a diameter approximating that of the tester.

**Price, 25 cents.**



Cyphers X-Ray Egg Tester.

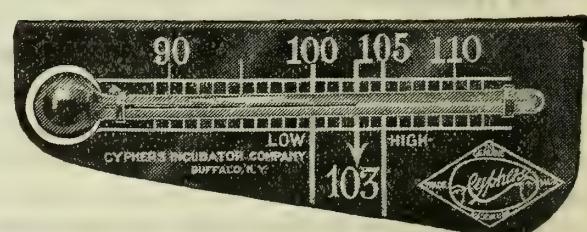


Cyphers  
Brooder Thermometer.  
Price, 50 cents.

### HIGH-GRADE TESTED THERMOMETERS.

The price of incubator thermometers does not include the wire hanger. Wire hangers will be supplied at ten cents extra for each thermometer. In ordering wire hangers, be sure to state size of your incubator and year manufactured. If machine has no packer's slip bearing date of manufacture, send description of machine. This is important.

When ordering brooder thermometers name the style of brooder in which it is intended to be used.



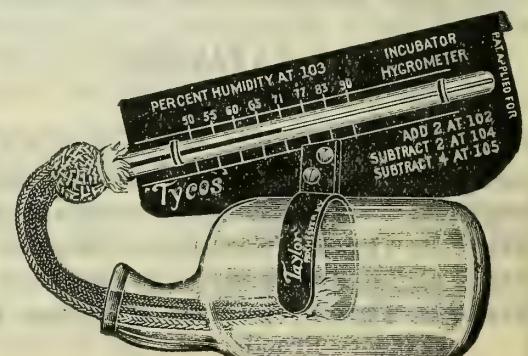
Cyphers Incubator Thermometer.  
Price, 60 cents.

### Incubator Hygrometer.

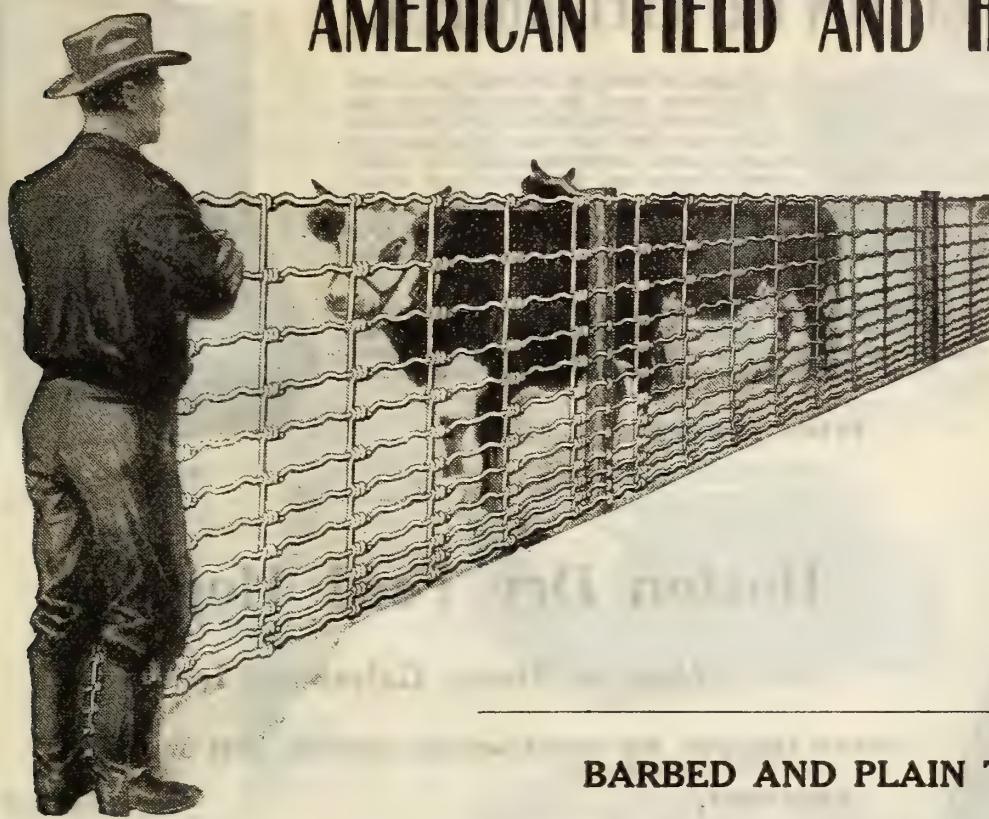
The cut shows the correct position of the instrument in use, taking the place of one egg in the egg tray, thus showing the conditions actually surrounding the eggs. The glass bottle should be filled with clean water and the wick inserted and wet thoroughly, from end to end, before placing in the egg tray. The wick must be kept clean, otherwise the water will not draw up to the thermometer bulb. Should the wick become clogged, it must be replaced.

**Price, \$1.50.**

Extra wicks, each, 10 cents.



# AMERICAN FIELD AND HOG FENCE.



Made of large, strong, high-grade steel wire, heavily galvanized; amply provides for expansion and contraction. Is practically everlasting. Does not mutilate, but does efficiently turn cattle, horses, hogs, etc.

Will save money, and fence fields so they will STAY fenced.

**Write for Price List.**

## BARBED AND PLAIN TWISTED WIRE.

**Best galvanized Steel Wire, in quantities to suit all customers. Write for quotations.**

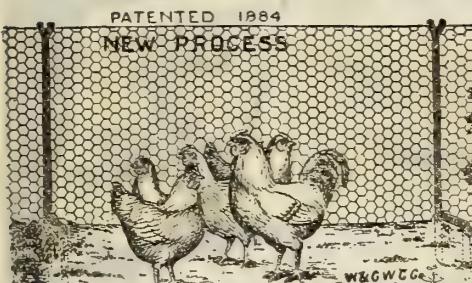
## NEW AMERICAN POULTRY FENCE.

The new American Poultry Fence, with its close mesh, fills a want long felt by all dealers, and is proving absolutely satisfactory in fencing against poultry, large and small.

At the bottom are four spaces of  $1\frac{1}{2}$  inches each, the next four spaces above are 2 inches each, the higher spaces graduated to 6 inches.

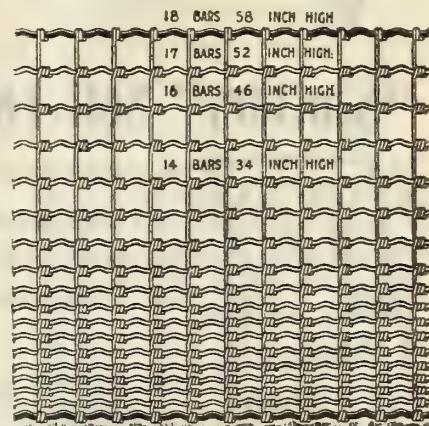
**WRITE FOR PRICE LIST.**

## GALVANIZED POULTRY NETTING.



Made from selected steel wire, galvanized *after* weaving. Made in 2-inch and 1-inch mesh, and of a superior, smooth finish.

**WRITE FOR QUOTATIONS.**



**HARD STEEL WIRE POULTRY NETTING.**

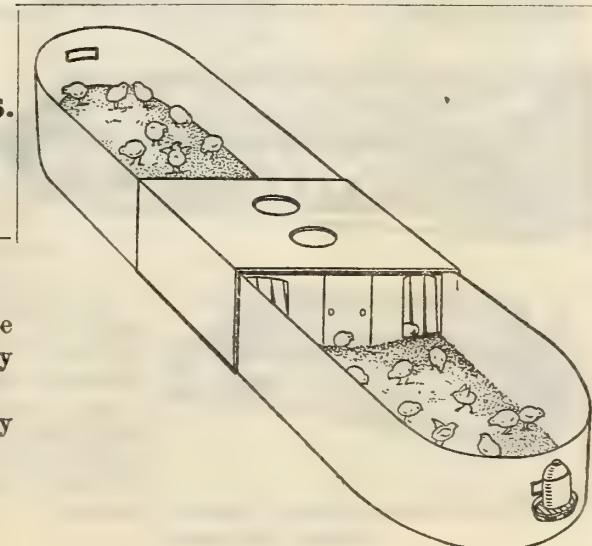
## THE "H. & D." BROODER.

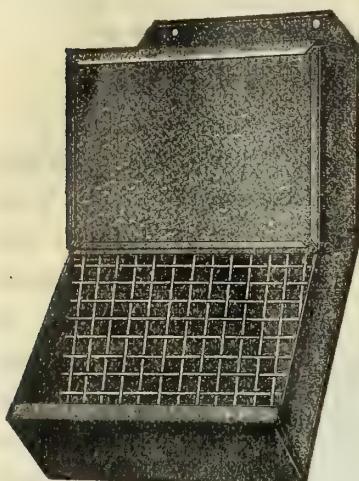
A practical, common sense, heavy paper brooder, complete with woolen hover, or blanket. Made in one size only, of fifty chick capacity.

Will care for chicks until they are six weeks old, when they may be transferred to the colony house.

**PRICE, \$2.00.**

**Write for Descriptive Circular.**





OPEN.

## SEXTON DRY FEED HOPPER.

This Hopper is arranged to hang on the wall the desired distance from floor and never need be removed from the wall to be refilled. It is impossible to waste any feed as the pan at the bottom takes any feed that may be picked out and the last crumb can be used, therefore saving any waste. The body being covered keeps feed dust-proof and clean, and is always dry.

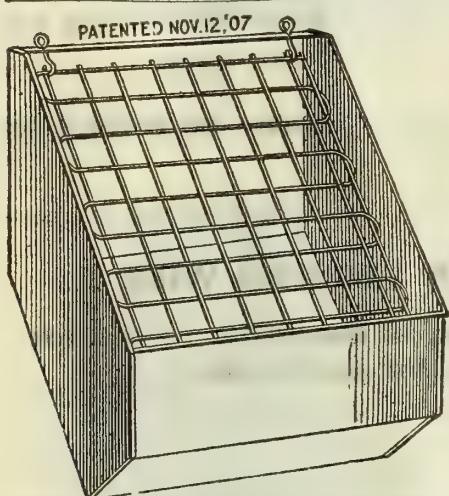
Body made of Galvanized Iron and the grating is of round galvanized wire preventing the Poultry from cutting their bills.

The lower cover is so arranged that it is held up by locking the top cover of Hopper over same and by raising the top cover the lower cover will fall in place. Simple in construction, easily operated and absolutely "Rat" and "Mouse Proof."

**Price, Poultry size, \$1.10.**



CLOSED.



PATENTED NOV. 12, '07

## Boston Dry Feed Hoppers.

**Made of Heavy Galvanized Iron.**

**Small Hopper, for meat scraps, shells, grit or charcoal,**

**Price \$ .90**

**Large Hopper, for dry feed for hens,**

**Price " 1.00**

**Chicken Hooper, small,**

**Price " 1.00**

**" " large,**

**Price " 1.90**

## "Sanitary" Self-Feeding Box.

**Called Grit Box for Short.**

Three spaces. Made of heavy galvanized iron. Will last a lifetime. Saves waste. Hangs on a nail. Holds four quarts. Soon pays for itself. Neat, cheap and convenient.

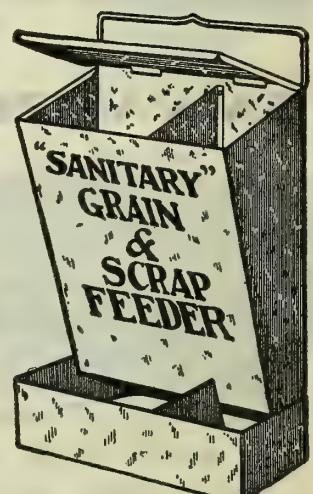
**Price, 50 cents.**



## "Sanitary" Self-Feeding Box.

Two spaces. Made of heavy galvanized iron. Will effect a great saving in feeding grain and seraps. Practically every particle is consumed. Capacity, eight quarts.

**Price, 75 cents.**



Hangs on two nails. Easy to clean. Saves waste. Always out of the way. Holds three quarts.

**Price, 35 cents.**



**Wall Feed Pan**

No. 1, 6 x 7 x 1 $\frac{1}{4}$  inches deep; capacity, 1 quart.

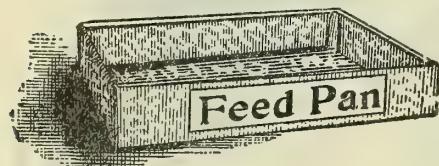
**Price, 15 cents.**

No. 2, 7 $\frac{1}{4}$  x 8 $\frac{1}{2}$  x 1 $\frac{1}{4}$  inches deep; capacity, 1 $\frac{1}{2}$  quarts.

**Price, 20 cents.**

No. 3, 18 x 6 x 2 $\frac{3}{4}$  inches deep; capacity, 5 quarts.

**Price, 35 cents.**



## Atsatt Chick Feeder.

A neat device for feeding young chicks; they cannot get into it or stand on it. The top removes easily for cleaning or filling. 10 in. long, 4 in. wide.

**Price, 25c.**



## “K. & W.” EGG CASES.

The most popular Egg Cases in the market and used largely by shippers of eggs.

### PRICES COMPLETE.

8 dozen	\$ .75
15 " "	.95
30 " "	1.15
49 " "	1.35
56 " "	1.50

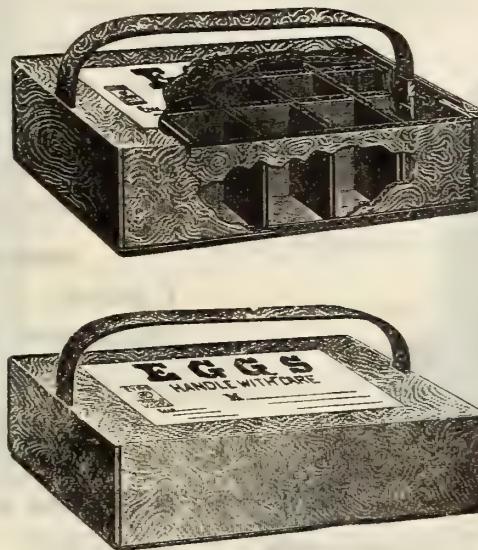


### RELIABLE EGG CARRIER.



Has a patent fastening on the cover. Each carrier, with a capacity of 12 dozen, complete with fillers. Price, 65 cents.

### EYRIE SHIPPING EGG BOX.



Eyrie Shipping Egg Box.

Unquestionably the best box on the market for shipping safely fancy eggs by express. Made of heavy corrugated cardboard. They are very strong, compact, light and convenient. The handle, when put in place, locks the box and it cannot be tampered with in transit. The handle prevents the putting of anything on top of the box and thus prevents rough usage. 1 sitting, 15 cts. each, \$1.50 per doz.; 2 sittings, 20 cts. each, \$2.00 per doz.; 1 sitting, each, by mail, 30 cts.

### WIRE HEN'S NEST.

Strongly made of heavy japanned wire, and are very durable. Fasten to the wall with two heavy screws. Easily kept clean. No harbor for vermin.

Price, 20c. each; \$1.50 per dozen.



### THE GARDNER EGG CARRIER.

Holds the eggs in any position; overturning the carrier will not spill the eggs. Any number of carriers may be piled on top of each other without breakage.

Price, 12-Egg Carriers, \$1.20 per dozen.

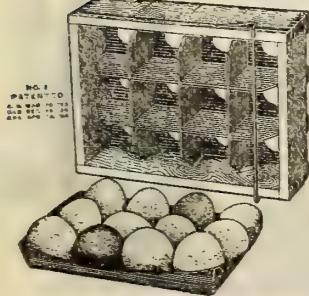
" 24 " " 2.40 "

### Star Egg Carriers and Trays.

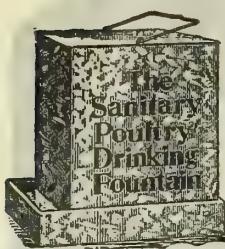
The excellence and economy of Star Egg Carriers appeals to all who deliver eggs. Quickly filled and quickly emptied.

Carriers are made of strong wood, and can be piled deep in the delivery wagon

Price, No. 1 (1 doz. eggs),	\$2.25 per dozen
" No. 2 (2 " " ),	3.50 " "
" No. 1 trays,	\$3.00 per M
" No. 2 "	4.50 per M



# POULTRY DRINKING FOUNTAINS.



## THE "SANITARY" FOUNTAIN.

Made of heavy galvanized iron, perfect in workmanship; most convenient fountain on the market.

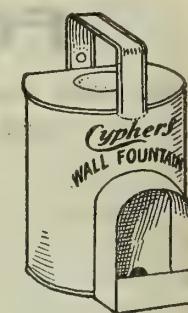
A one-gallon fountain will supply twenty fowls.

Price, 1 gallon, 50 cents; 2 gallons, 75 cents.

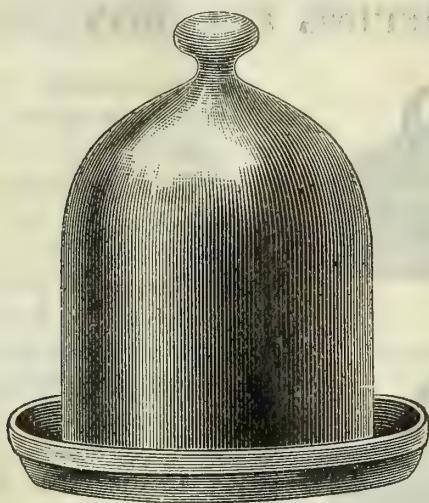
## CYPHERS WALL FOUNTAIN.

Made of heavy galvanized iron. Convenient to fill and empty. Keeps water cool and pure. Will not be injured by freezing. Can hang up on the side of the wall or partition.

Price—1 gallon, 50 cents.  
2 gallons, 75 cents.



## STONE FOUNTAINS.

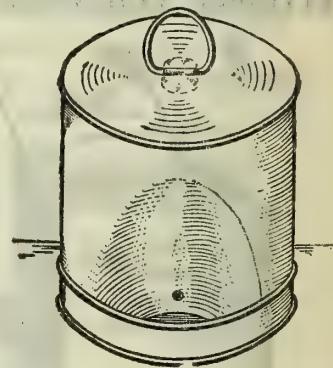


1-4 gallon,	25 cents.
1-2 gallon,	30 cents.
1 gallon,	35 cents.

## THE PEERLESS FOUNTAIN.

Protected from dirt and filth. The fowl cannot injure their combs while drinking. Easy to clean and fill. Made of heavy galvanized iron. Durable and practical.

**PRICE.**  
1 gallon, 60 cents.  
Chick size, 35 cents.



## NESCO FOUNTAINS.

1-2 gallon galvanized iron,	30 cents.
1 " " "	35 cents.

## THE SANITARY CHICK FOUNTAIN.

The "Chick" stands five inches high and holds one quart, and its construction gives no chance for the chicks to fall in and get drowned. The square base makes it nearly impossible to tip over. Price, 25 cents.



## THE "TRIUMPH" CAPONIZING SET.

There is no doubt as to the advantages of caponizing. The operation is very simple, and with a "Triumph" Caponizing Set it can be performed with safety and thoroughness. Price per set, in japanned wood box, \$2.50.



## Clipper Poultry Marker.

Do you keep a record of chickens? There is no better or quicker way than by marking, as many different marks can be made by punching web between the toes. Made in two sizes. Sent postpaid, on receipt of price, 25 cents.



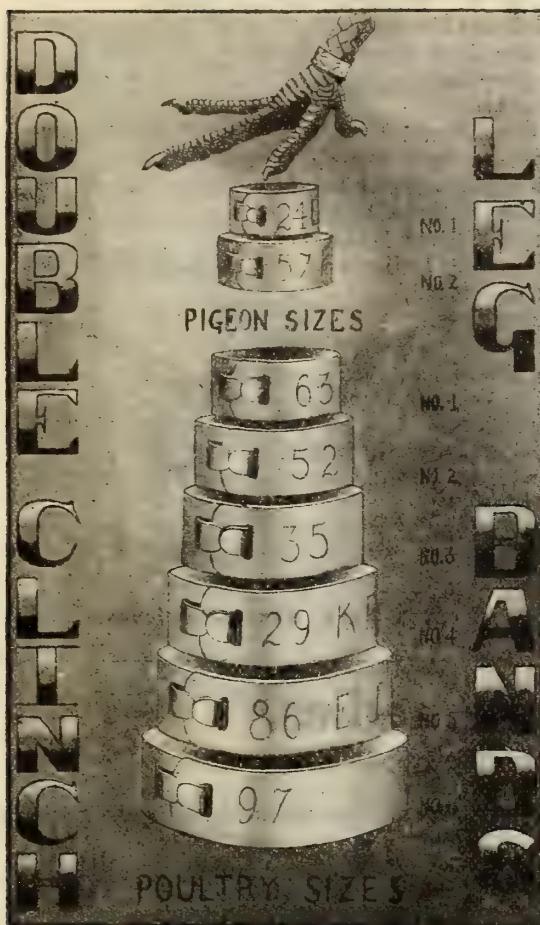
## "PERFECT" POULTRY MARKER.

Makes a good, clean cut, does not mutilate the web, and is a thoroughly practical marker. 50 cents.

GEO. PILLING & SON,  
PHILADELPHIA.

CLIPPER.

# Leg Bands for Poultry and Pigeons.



## Double Clinch (aluminum) Leg Bands.

These bands are neat, easily applied, and cannot come off by accident.

In ordering state what breed they are for, and what letters or numbers you wish put on them.

Price, \$1.00 per hundred.

## Climax Leg Bands.

**Easily Applied and**

**Easily Removed.**

Price, \$1.00 per hundred.



## POULTRY KILLING KNIVES.

Every poultry raiser should have one of our killing knives. They are made of finely tempered instrument steel, with nickelized handle. Sent postpaid, on receipt of price.

**Angle Blade, 50c., French, Straight Blade, 50c.**

## STERLINGWORTH POULTRY CHARCOAL.

Prepared expressly for feeding chicks and fowls.

**X (Fine Powdered), for mash foods for poultry and stock.**

**XX (Fine Granulated), especially for chicks.**

**XXX (Medium Granulated), for half-grown fowls and pigeons.**

**XXXX (Coarse Granulated), for fowls, geese and turkeys.**

Price, 50 lb. paper lined burlap bags, \$1.00 each.

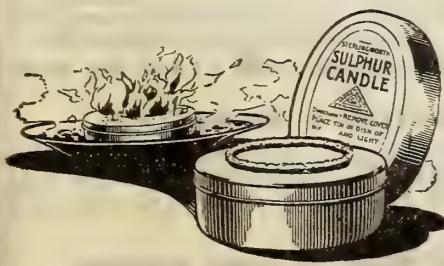
" 2 lb. pkg., .10 "



## Sterlingworth Sulphur Fumigating Candles.

The candle is made from pure high grade sulphur, and has a circular wick, which, when once lighted, stays lighted. Is especially useful to poultry men in ridding poultry houses of insect pests, as the vapor from it penetrates crevices not reached by other means.

**In circular tin box, price, each, 15c.**



# Poultry Foods and Specialties.



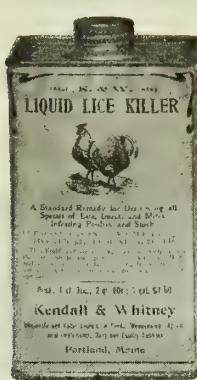
"K. & W." Superior Oyster Shells.  
 Chicken Grit (fine).  
 Pigeon Grit (medium).  
 Poultry Grit (coarse).  
 Bone Meal.  
 Poultry Bone.  
 Superior Beef Scraps.  
 Bowker's Animal Meal.  
 Bradley's Meat Meal.  
 Alfalfa Clover Meal.  
 Sunflower, Millet and Hemp Seed.  
 Linseed Meal.  
 Buckwheat.  
 Barley.  
 Wheat.  
 White Canada Peas.  
 Kafir Corn.  
 Tobacco Dust (in bulk).  
 Powdered Tobacco (in packages).  
 Charcoal.  
 Lice Killers.  
 Nest Eggs.

**Write for Quotations.**

## "K. & W." Poultry Remedies.

**Remedy No. 1.** For all forms of indigestion, liver disease, sour crop, crop-bound.  
**Remedy No. 2.** For rheumatism and cramps.  
**Remedy No. 3.** For all sudden colds, with sneezing, watery discharge from eyes and nose. Prevents roup.  
**Remedy No. 4.** For catarrhal colds, with rattling in throat.  
**Remedy No. 5.** For all diarrheas of poultry, and particularly in cholera.  
**Remedy No. 6.** For diphtheritic roup and canker.  
**Remedy No. 7.** For chicken-pox, bumble-foot, to promote healing of sores. Cures chronic catarrh.  
**Remedy No. 8.** For soft-shelled eggs, all diseases of egg organs and to correct sterility.  
**Remedy No. 9.** For egg-bound. Also for the diseases where there is swelling of the eye with an accumulation of yellow matter under the lids.  
**Remedy No. 10.** For worms.

These remedies are put up in tablet form, 100 tablets to a vial. Each label contains full directions for use and the diseases which the remedy will prevent or cure. Price, postpaid, 40c. per vial. Please order by number.



### "K. & W." Liquid Lice Killer.

A standard remedy for the destruction of all lice, insects and mites affecting poultry and stock.

Cheapest, easiest and most effective lice killer to apply.

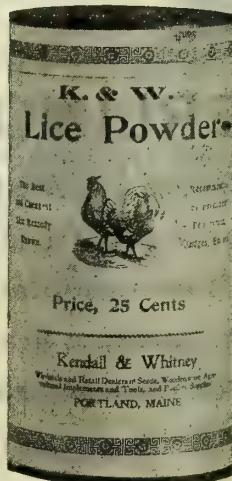
Price, 1 qt. can, 35c.; 2 qt. can, 60c.; 1 gal. \$1.00.



### "K. & W." ROUP CURE.

Is guaranteed to cure any case of roup, if used according to directions.

**Price per pkg. (makes 25 gals.), postpaid, 25c.**



### "K. & W." Lice Powder.

Fatal to all lice, and other insect vermin, and harmless to fowls, chickens and all animal life. Invaluable for use on setting hens and chicks. The best and cheapest on the market.

Price, 15 oz. pkg., 25c.; 3 lb. pkg., 50c.; 6 1-4 lb. pkg. \$1.00.



### STERLINGWORTH DIARRHOEA REMEDY.

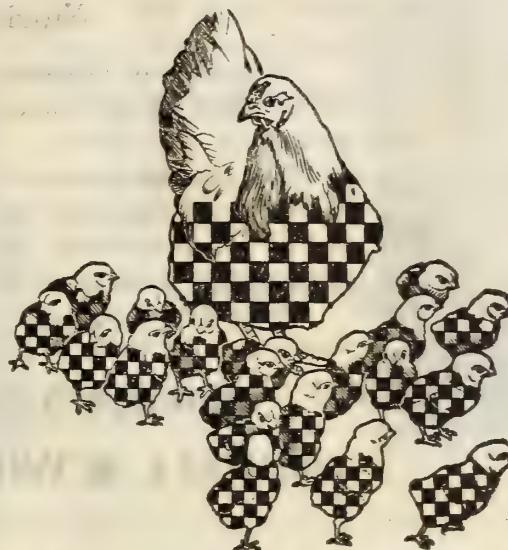
A reliable remedy for diarrhoea, dysentery and other kindred bowel troubles in young chickens, full-grown fowls and pigeons. Keep it on hand and use it as a preventive. It is a powder for use in the drinking water. The chickens and fowls take their own medicine.

**PRICE: Per box, sufficient for several flocks, 50 cents, postpaid.**

# “PURINA” POULTRY FEEDS.

## PURINA CHICK FEED.

Especial care has been used in balancing this feed. Nothing but sound, sweet ingredients are used. The finest mixture of grain possible for developing growing chicks and poultry.



## PURINA MASH—

(or Chicken Chowder,)

Makes Hens Lay.

Is a complete mash, containing ground grain, green food and meat scraps; everything necessary, except the water to mix it.



## ALFALFA MEAL.

This is a green feed the year round. Is very high in protein and furnishes to chicks a growing food, which at the same time has a medicinal value. Its value as a helpful egg food is unquestioned.

WRITE FOR QUOTATIONS.



## PRATT'S POULTRY REGULATOR.

MAKES HENS LAY REGULARLY,

and insures

Healthy Flocks of Chickens, Turkeys, Ducks, Geese and Pigeons.

26 oz. package, 25c.; 4 lb. package, 50c.; 9 lb. package, \$1.00; 12 lb. bag, \$1.25.

A full line of Pratt's Poultry and Stock Foods and Supplies constantly on hand.

## INTERNATIONAL POULTRY FOOD.

Small package, 25c.; medium package, 50c.; large package, \$1.00.

## BLATCHFORD'S CALF MEAL.



The Perfect Milk Substitute for Raising Calves.  
100 lbs. of it Makes 100 Gallons of Rich,  
Nutritious Gruel.

Thousands of farmers are raising their calves on Blatchford's Calf Meal at about half what it costs to raise them on milk.

It is absolutely the only milk substitute that contains all the elements necessary for bodily growth in approximately the proper proportion, and it is the only calf meal that is thoroughly cooked and prepared for digestion.

It pushes pigs, colts, etc., forward better and quicker than any other food.

**Price, \$3.50 per 100 lbs.**

**KENDALL & WHITNEY, State Agents.**



## POULTRY, HORSE AND CATTLE SPECIALTIES.

**PRATT'S HORSE AND CATTLE FOOD.**—7 lb. packages, 50c.; 12 lb. bags, 75c.;  
25 lb. bags, \$1.50; 12 lb. pails, \$1.00;  
25 lb. pails, \$1.90.

**PRATT'S ANIMAL REGULATOR.**—25c., 50c. and 75c. packages.

International Stock Food,	25c., 50c. and \$1.00 pkg.	International Pheno-Chloro,	25c. pkg.
" Silver Pine Healing Oil,	25c. and 50c. "	Gall Cure,	25c. and 50c. "
" Colic Cure,	50c. "	Heave Cure,	50c. "
" Honey Tar Foot Remedy,	50c. "	Worm Powder,	50c. "

## “STERLINGWORTH” FISH FOOD.

A pure food prepared especially for feeding gold fish, etc.

**Price, 10c. per package.**

## LEE'S LICE KILLER.

A liquid preparation for destroying insects on chickens and stock.

**Price, 1 qt., 35c.; 1-2 gal., 60c.; 1 gal., \$1.00.**

## LAMBERT'S DEATH TO LICE POWDER.

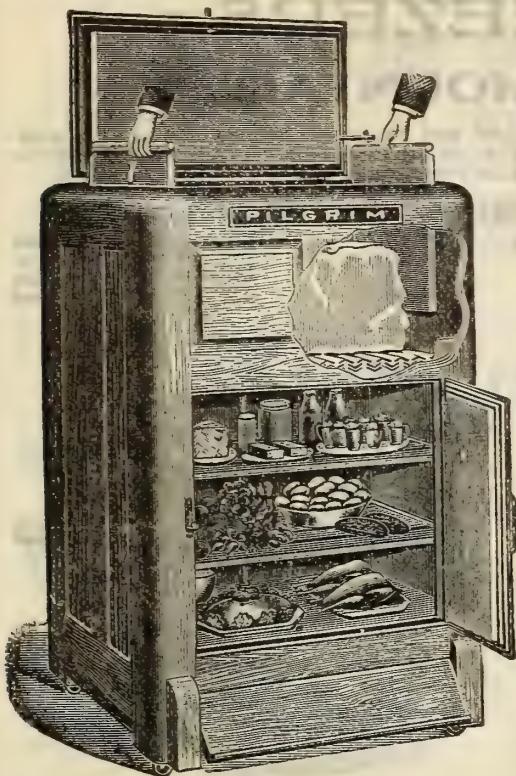
**15 oz. Pkg., 25c.; 3 lb. Pkg., 50c.; 6 1-4 lb. Pkg., \$1.00.**

## PLASTER DUST.

Ground and bolted fine as flour. Valuable to use about the henhouse  
and to dust into nests.

**Packed in barrels, . . . . Each, \$1.75.**

## THE "PILGRIM" Refrigerators and Ice Chests.



Thoroughly constructed from hard wood, and beautifully finished. Cleanable and perfectly sanitary. The economy of ice is a very important consideration, and the consumption of ice will be much smaller in our refrigerators than in many others, and at the same time insure a low and even temperature, and perfect circulation of cold, dry air.

### GROCERS' REFRIGERATORS A SPECIALTY.

**Send for Illustrated Catalogue and Price List.**



## Mounted Grindstones.

**The Wilcox, Sampson, Hercules and Tubular Frame,  
WITH TREADLE AND CRANK TO WORK EITHER BY HAND OR FOOT.**

**Strong, Durable Frames,**

—ALSO—

Unmounted Stones, all sizes and weights, and a full line of Fixtures.

*Write for Prices.*

TUBULAR FRAME STONE.

**"K. & W."**

**LIGHTNING AND MASON**

**FRUIT JAR RINGS.**

**1 dozen in each package.**

**12 packages in a carton.**

**JELLY TUMBLERS.**

**1-3 pint and 1-2 pint sizes.**

**FRUIT JARS.**

**"GENUINE"  
LIGHTNING.**

**1-2 pint, pint, 1 quart and  
2 quart sizes.**

**ALSO  
ECONOMY  
and  
MASON.**

**Pint, 1 quart and 2 quart  
sizes.**

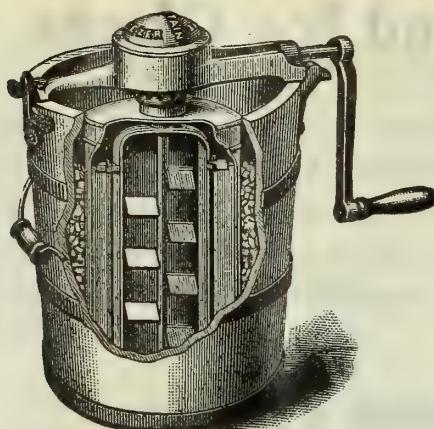


**—ICE CREAM FREEZERS.—****“WHITE MOUNTAIN.”**

Perfected by the introduction of a new and important feature of a double self-adjusting wood scraping bar attached to the duplex dasher. By means of this device the actual time of freezing cream has been very materially reduced.

**PRICES.**

Junior,	\$1.00	4 quart,	\$2.75	12 quart,	\$7.00
1 quart,	1.50	6 "	3.50	15 "	8.50
2 "	2.00	8 "	4.50	20 "	11.00
3 "	2.25	10 "	5.50	25 "	14.00

**“LIGHTNING.”**

Easy running.

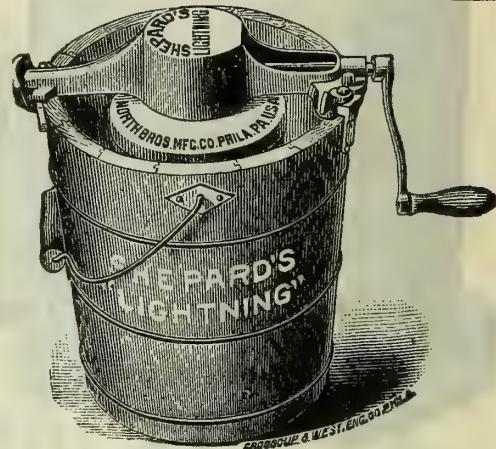
Quick freezing.

Convenient and practical.

Drawn Steel-Bottom Cans, which will not leak or break. The body of can is made of heavy tin plate of finest quality. Tubs with electric welded wire hoops, which are guaranteed not to fall off or break.

**PRICES.**

1 quart,	\$1.35	4 quart,	\$2.50	10 quart,	\$5.50
2 "	1.75	6 "	3.25	12 "	6.50
3 "	2.00	8 "	4.00	14 "	7.50

**“AMERICAN” (2 in 1) TWIN.**

Freezes Two Flavors of Ice Cream, or an Ice or Sherbert and Ice Cream, at One and the Same Time, in One Freezer.

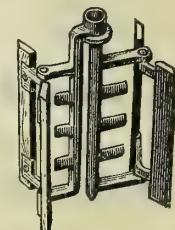
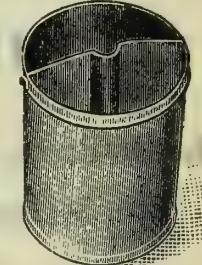
A freezer to make two flavors at one time has been wanted ever since ice cream became so popular. Much time and ingenuity have previously been spent in trying to devise some means to freeze two flavors at one time, but now it is an accomplished fact.

In the American Twin Freezer the can is divided in two parts by a vertical partition, which projects above top of can and bears against the can lid, so that during freezing nothing can pass from one side of can to the other. The dasher has a central shaft, which fits in the groove of the partition of can. Obviously the can cannot be turned as in old style freezers, because of the partition, but it is swung forward and backward by a rocking motion of the crank. The scrapers are so arranged as to be held automatically against side of can, so that the frozen particles on can are scraped off positively and continuously.

Tubs with electric welded wire hoops.

**PRICES.**

2 quart,	\$2.25	10 quart,	\$6.00
3 "	2.50	12 "	7.00
4 "	3.00	15 "	9.50
6 "	4.00	20 "	12.50
8 "	5.00		

**“ALASKA.”**

The only freezer having the Perpetual Motion Aerating Spoon Dasher, with its spoon-shaped floats, open in the centre like mixing spoons, which aerates, stirs and beats the mixture rapidly and thoroughly.

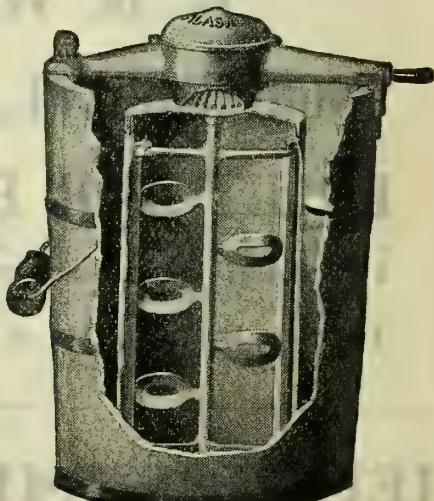
The cut also shows the new device attached to the under part of the gear-frame or cross-bar, which effectually protects the gearing and can cover from salt and ice.

**PRICES.**

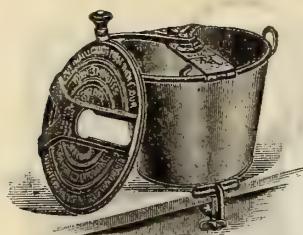
1 quart,	\$1.50	4 quart,	\$2.40	10 quart,	\$5.00
2 "	1.75	6 "	3.35	12 "	6.50
3 "	2.00	8 "	4.00	15 "	8.50

**FREEZER CLAMP OR HOLDER.**

A perfect device for holding the freezer firm and steady. Easily adjusted to the tub by means of thumb nuts. Price, 2 to 10 qts., 35 cts.; 12 to 25 qts., 55 cts. each.



**An Illustrated Catalogue of Power and Fly Wheel Freezers, Repairs, and Tubs and Cans for Packing Purposes furnished on Application.**



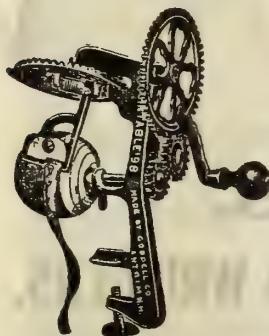
## THE UNIVERSAL THREE-MINUTE BREAD MAKER.

Bread Maker, Mixer, Kneader and Raiser all Combined.

Made of heavy tin and sheet steel. All parts tinned. No housekeeper who has once used it will ever be content to go back to the old, laborious, disagreeable way of making bread by hand. Very simple in construction. A child can operate it. As easily cleaned as a tin pail.

Price, No. 2, \$1.35; No. 4, \$2.00; No. 8, \$2.50.

### APPLE PARERS.



No. '98. Turn Table.

## THE UNIVERSAL CAKE MAKER.

Especially Designed for Mixing all Kinds of Cake Batter, and for Whipping Cream and Beating Eggs.

Invaluable for making, in considerable quantities, mayonnaise and other salad dressing, for mixing all batter for fritters, gems and puddings, and for sauces that require beating.

Price, \$1.75.



No. '98. Turn Table, White Mountain Parer, Corer, and Slicer.

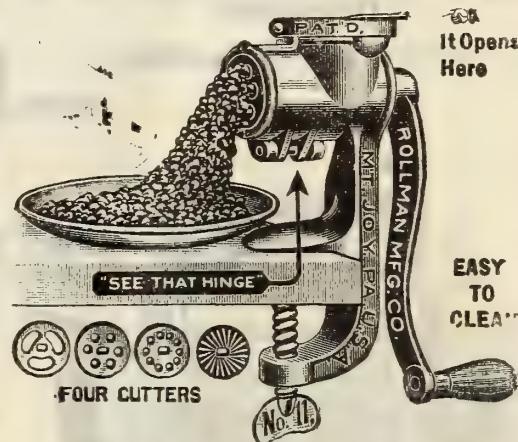
65c.

50c.

## Rollman Food Choppers.

**ADVANTAGES.** This machine is small and convenient. It does the work with ease, and is readily cleaned. Cutters are all steel and will last indefinitely. No long strips of gristle in your Hamburg steak, if it is cut with a Rollman Food Chopper. Most choppers have one or more cast iron cutting edges, and these soon get dull and fail to make a clean cut, but the Rollman feeds all of the food through the cutter, so that there is no waste.

Price, No. 15, \$1.15.



## THE UNIVERSAL FOOD CHOPPER.

All Parts Tinned and Interchangeable.

Chops rapidly and without mashing, and in pieces as fine or coarse as wanted, all kinds of meat, fish, fruits, eggs, bread and vegetables.

No. 0, 75c.; No. 1, \$1.00; No. 2, \$1.25; No. 3, \$1.75.

### STUFFING ATTACHMENT.

Made of one piece of seamless brass tubing, spun into the shape required, heavily nickel plated and finely finished. A thread on the end of the barrel of the machine fits in the end of the stuffing attachment.



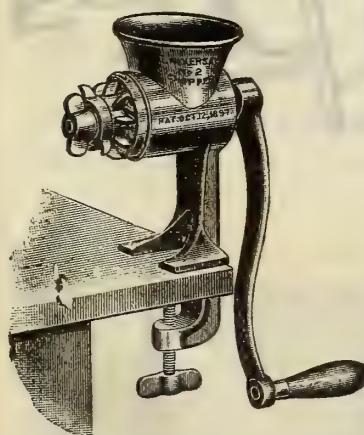
Price, 30 cents each.

## COMBINATION SLICER.

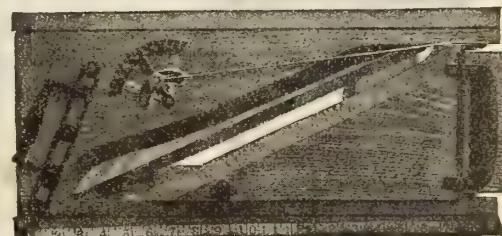
For slicing bread, dried beef, pressed meats, cabbage, pine apple, etc.

*Instantly changed from a thick slice to the thinnest.*

Price, \$3.25.



No. 2. Medium Family Size.



## MAJESTIC ROTARY WASHER.

The Rotary is simple, strong, easy running and noiseless, the rotary motion being continuous, and the fly wheel heavy. Very little power is required to operate the machine. It is constructed of the **Best White Cedar**, and is strong and finely made.

Price, \$7.00.



## CLOTHES WRINGERS.

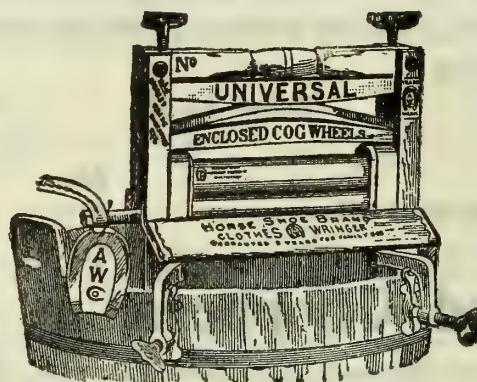
### TUB WRINGERS.

Universal,

Household,

Eureka,

Daisy.



### BENCH WRINGERS.

Universal,

Household.



## UNIVERSAL.

### BEST KNOWN AND LARGEST SELLER.

Made either with regular bearings, ball bearings, or with enclosed gears.

## WHITE'S

### Patent Mop Wringers.

Will quickly wring a mop perfectly dry,  
without touching mop with hands.

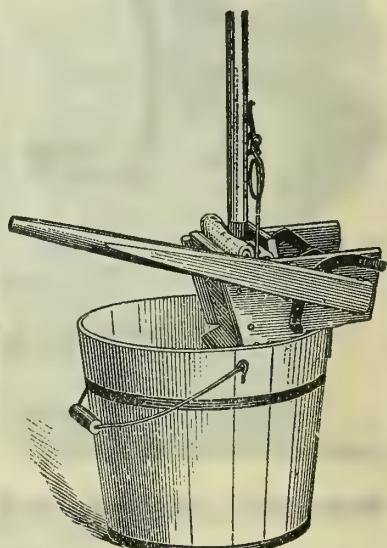
The wringer may be instantly attached to the pail and quickly removed.

Always place the wringer on the opposite side of pail from the bail.

Use mop made of any material desired. A short, thick mop is generally best liked, and is the best wrung by the wringer.



Hotel Size.

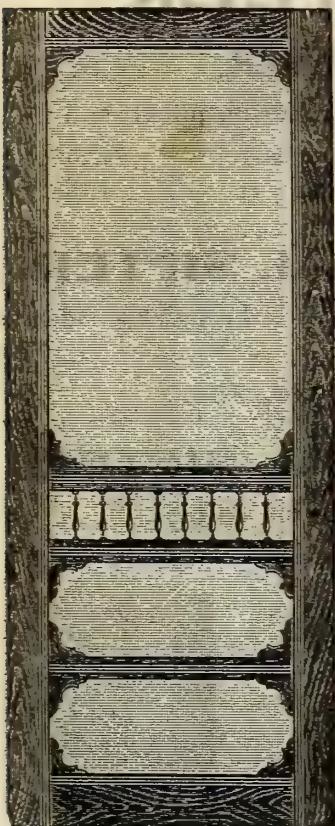


Price. Family Size. \$1.50.

" Hotel " 2.00.

Family Size.

**HIGH GRADE**  
**SCREEN DOORS**  
**AND**  
**Window Screens.**

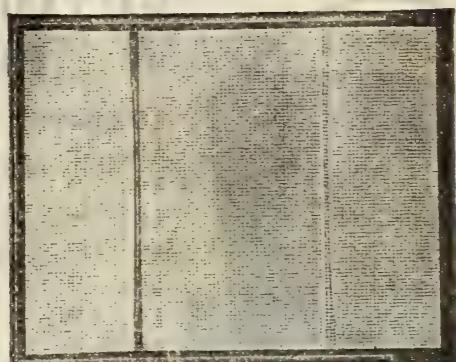


**OUR SCREEN DOORS** are square mortised and tenoned joints throughout, making the strongest and best construction possible.

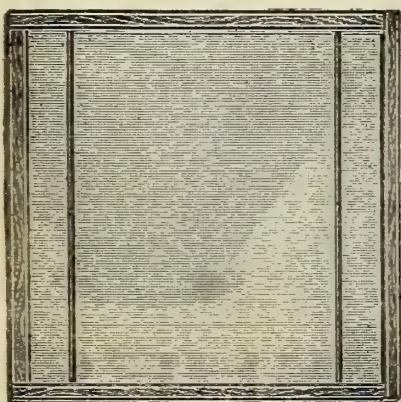
The wire cloth is placed on the screen door by special machinery, which stretches the cloth drumhead tight. The wire cloth is pressed into a groove in the wood, and covered with a flush beaded moulding mitered at corners, which prevents the cloth from becoming loose and baggy.

**ADJUSTABLE WINDOW SCREENS.**

**THE SHERWOOD SCREEN** is an all-metal frame made of pressed steel. The wire cloth is drawn tightly and locked securely in the frame. Operates easily in all kinds of weather.

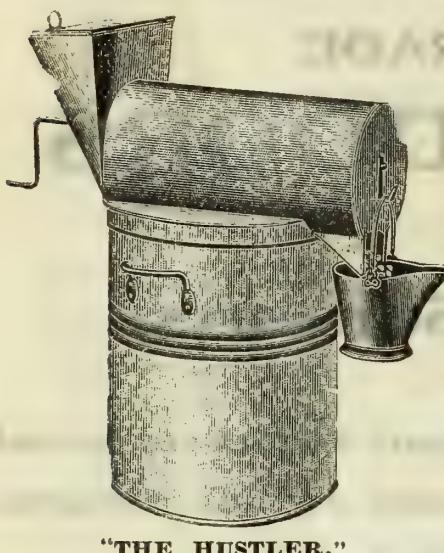


"SHERWOOD"



"HUMMER"

**THE "HUMMER" EXTENSION WINDOW SCREEN** guaranteed to have perfect adjustment. Wire cloth is securely fastened to frame, and covered with moulding. Material used is best hard wood, finished in oil, both sides alike.



"THE HUSTLER."

**"THE HUSTLER"****ROTARY ASH SIFTER.**

In galvanized iron case. No dust. Works easily, quickly and well.

Price—No. 1, fits 18-in. iron can, or flour barrel, \$4.75

" 2, " 20-in. " sugar " 6.75

**THE "LOWELL" COAL SIFTER.**This is an **all wire** sifter, sifting the ashes through the sides as well as the bottom.

Price, complete, with cover, 75c.

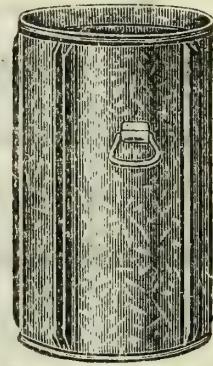
**THE FAVORITE COAL SIFTER.**

Price, complete, with cover, 50c.

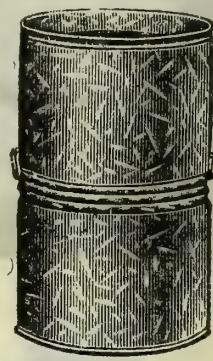
**GALVANIZED IRON ASH BARRELS.**

Solid heavy barrels. No danger from hot ashes.

Price, No. 41,	\$1.90
" " 5,	2.25
" " 190,	2.75



No. 190.



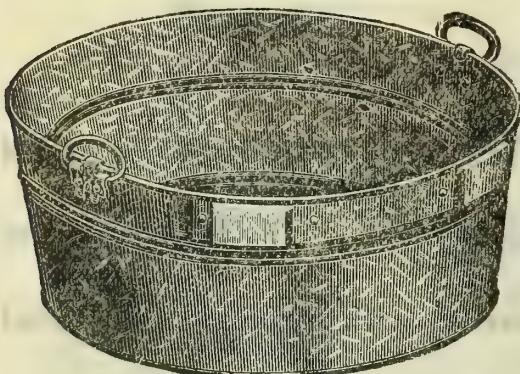
No. 5.

**GALVANIZED IRON PAILS.**

10 quart,	25c.
12 " "	30c.
14 " "	35c.
16 " "	40c.
10 " extra heavy,	35c.
12 " "	40c.
14 " "	45c.
16 " "	50c.

**GARBAGE PAILS.**Made from  
Galvanized Iron.

No. 02,	\$ .75
" 03,	.85
" 04,	1.00
" 40,	1.25
" 50,	1.65
" 310,	2.00

**Galvanized Iron****Tubs.**

No. 11, with wringer attachment.	65c.
" 22, " "	75c.
" 33, " "	85c.
A. Keelers,	35c.
B. " "	40c.
O. " "	45c.

**Galvanized Iron Coal Hods.**

No. 615,	30c.
" 616,	35c.
" 617,	40c.
" 618,	45c.
" 156, heavy,	45c.
" 166, "	50c.
" 176, "	55c.
" 186, "	60c.

**BROOMS AND BRUSHES.**

And a large variety of Wooden Ware of all kinds.

ALL ORDERS PROMPTLY EXECUTED.

# THE REGINA PNEUMATIC CLEANER.



**"The Housekeeper's Best Friend."**

Weighs but 25 pounds and is easily carried in one hand. It occupies small space when not in use and does the same work as other vacuum cleaners costing several times as much. It is 26 inches long, 12 inches wide and 13 inches high, not including the handle. All exposed metal parts are finished with enamel or are nickel plated, and the machine is mounted on a nicely-finished hardwood base. The hose is of a superior grade of rubber and is nine feet long, this having been found to be the most convenient length for all ordinary purposes.

## THE REGINA

has a large duplex pump, and is so constructed that a strong suction is created by both the forward and backward stroke of the lever. Every movement of this lever in **either** direction draws a current of air forcibly through the nozzle, thus producing continuous suction which dust and dirt cannot resist.

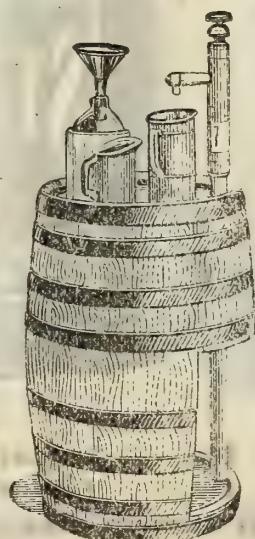
**Price, \$20.00**

## 20TH CENTURY

### BARREL PUMP.

#### FOR VINEGAR.

Made from chemically treated wood and is strictly non-corrodible; does away with the slow, leaky faucet; will pump the liquid at the slightest stroke of the piston.



**Price, \$1.00.**

## STONE WARE.

### ALL SIZES OF

**Stone Pork Barrels, Butter Pots, Bean Pots, Preserve Jars, Jugs and Churns.**

**Write for Price List.**



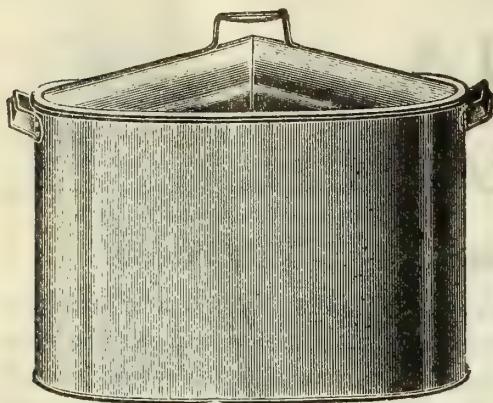
**Pork Barrel.**



**Butter Pot.**



**Bean Pot.**



## WASH BOILERS.

8 in. X tin bottom,	\$ .80	8 in. XX copper bottom	1.45
9 in. X " "	.85	9 in. XX " "	1.65
8 in. X copper bottom,	1.15	8 in. all copper,	2.50
9 in. X " "	1.35	9 in. " "	2.75

## Oil Cans.



1 Gal. Polo Oil Can.  
Price, 25c.

NICKEL

COPPER.

PRICE,

\$1.00.



## LARGE ASSORTMENT OF METAL AND GLASS OIL CANS,

5 Gal. Columbia Oil Can.  
Price, 75c.

holding from one to ten gallons each.

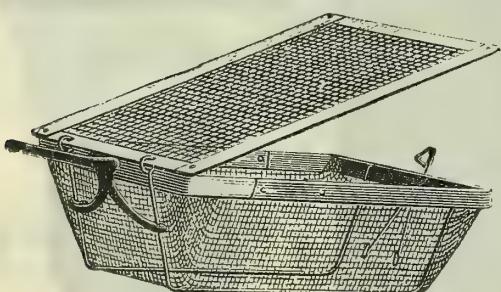
## K. & W. Standard Oil Tanks.

For use where a considerable quantity of oil is kept. These tanks are fitted with a pump, and are safe, convenient, and durable.

Price, 60-gallon Tank,  
" 110-gallon Tank,

\$5.00 each.  
9.00 "

## CORN POPPERS.



Firm and well braced  
popper, with detachable  
handle, and with wire  
guards to protect bot-  
tom of popper from  
wear.

1 quart,  
1 1-2 quart,



Price.			
12c.	2 quart,		20c.
15c.	4 quart,		35c.

8 quart (factory size), \$1.75.

**SHERWOOD POPPER (2 quart size).** Made with sliding cover. One of the heaviest and best pop-  
pers made. Price, 45c.

## Empire Folding Wall Dryers.

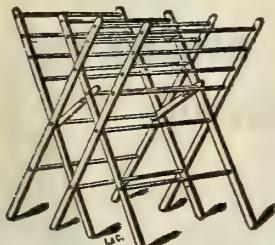


CLOSED

Price,  
75c.

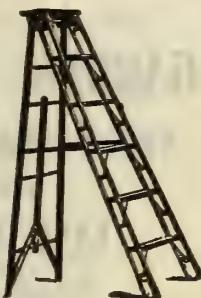
OPEN

## Folding Clothes Horses.



No. 3.....	65c.
No. 3½.....	75c.
No. 4.....	85c.

## Step Ladders.



Paris, per foot.....	30c.
Hub, per foot.....	30c.
Challenge, per foot .....	38c.

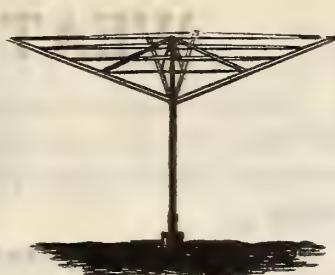
## FLY KILLERS.



Velvet, 10c. each.



Wood and Wire Handle, 10c. each.



## Advance Clothes Dryers.

The Best Clothes Dryer in Use.

No. 1, 120 ft. line, " - each,	\$2.75
No. 2, 160 " " " "	3.00

## Towel Rollers.



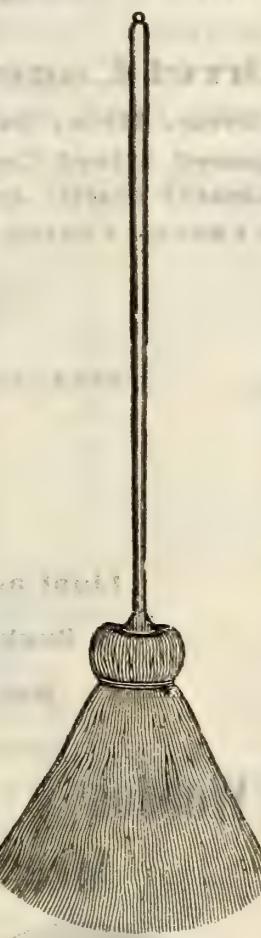
Price, 15c.

## Rolling Pins.



Price, 15c.

## Dry Mops.



Price, 45c.

## Folding Tables.

Yard measure stamped on top of each.



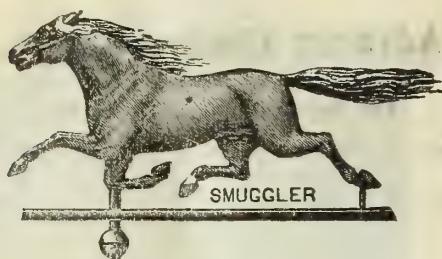
No. 000. 36 x 19 inch.....	\$1.10
No. 00. 36 x 19 inch with casters..	1.35
No. 0. 36 x 20 inch with casters..	2.00
No. 1. 36 x 22 inch with casters..	2.25

## NEW ENGLAND CARD TABLES.

## (FOLDING.)

Covered with green felt, and finished with metal corners.

No. 21. 24 x 24 inch.....	\$2.25
No. 23. 27 x 27 inch.....	2.75
No. 25. 30 x 30 inch.....	3.25



## WEATHER VANES.

All our vanes are made of copper and gilded with 23-karat gold-leaf that will remain bright for years. The vanes include iron spire with steel spindle point, points of the compass and gilded balls and letters.

Descriptive Circular and Price List on Application.

## BIRD CAGES, SEEDS AND SUPPLIES.

### Brass and Japan Bird Cages,

—ALSO—

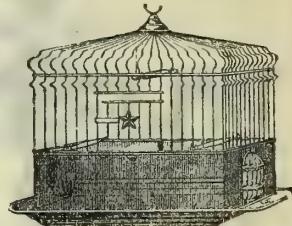
### Parrot and Squirrel Cages.

Canary Seed, Rape, Millet, Hemp, Rice, Sunflower and Cuttle Fish.

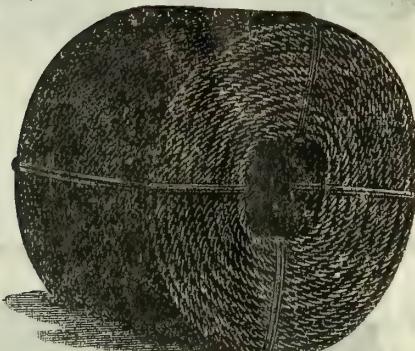
"K. & W." Prepared Mixed Canary Seed.

GRAVEL, SONG RESTORER, PARROT FOOD AND MOCKING BIRD FOOD.

Cage Springs, Cups, Hooks, Ladder Chains, and Wire Guard Cloth.

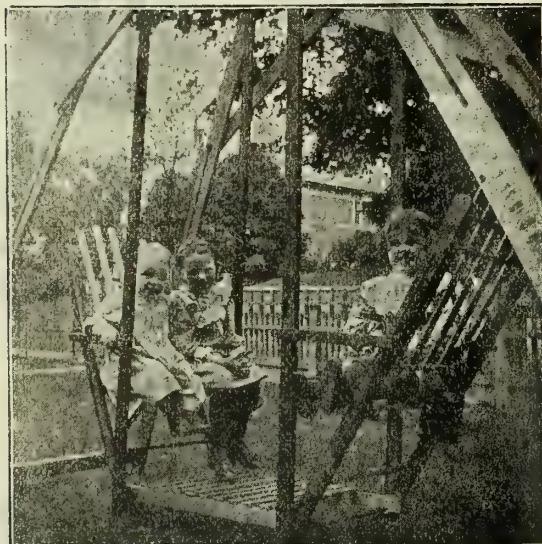


### CORDAGE.



Write for Prices.

### THE FAIRFIELD LAWN SWING.



This swing easily takes precedence over all others in the market. Made of clear mountain spruce. Mechanical perfection, durability and ease of operation are combined in its construction.

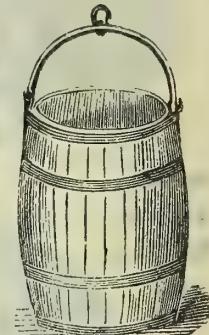
Favorite.....	\$3.75
Fairfield No. 2.....	4.25
" No. 5.....	5.00
" No. 7.....	5.50

### WELL BUCKETS.

Made from Oak, heavily  
hooped.

—ALSO—

Light and Heavy Weight  
Buckets made from  
Galvanized Iron.



### Wooden Measures.



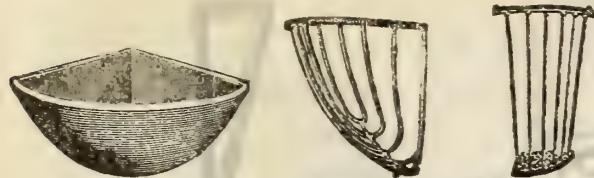
In Sets of  
1, 2, 4, 8, and 16 qt.  
sizes.  
Price per set, \$1.25.

### GARDEN VASES.

STONE DRAIN PIPE  
AND  
LAND TILE.

Send for  
Illustrated Catalogue  
and Price List.





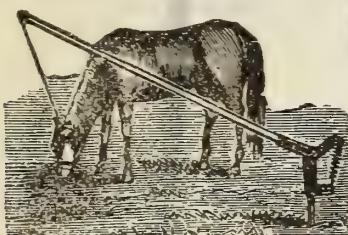
Corner Manger.

Feed Racks.

## IRON CORNER FEED RACKS AND MANGERS.

**WRITE FOR PRICES.**

### ANIMAL TETHER.



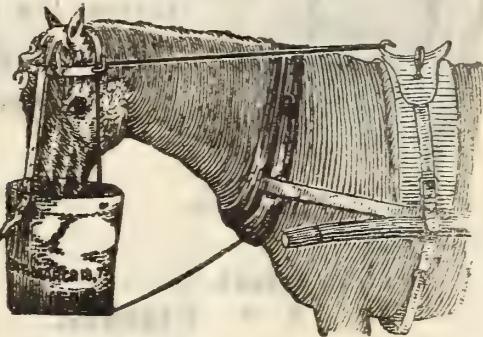
Price, \$3.00 each.

### FEED BAGS.

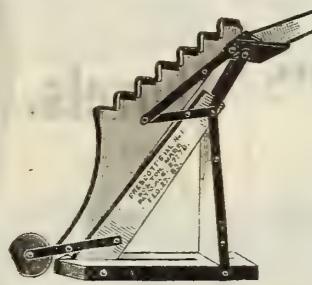
Made From  
HEAVY CANVAS.

PLAIN OR WITH BRIDLE.

Price, 35c. to 75c. each.



### CARRIAGE JACKS.



\$1.00 to \$4.00.

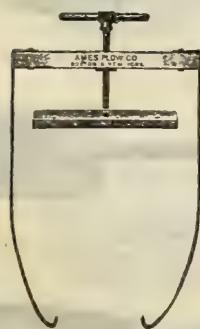
### Wooden Stable Fork.



Price, 50c.

### BARREL HEADER.

This is the most simple labor-saving machine ever invented for heading up barrels and is used extensively for heading up apples, fish and other merchandise.



Price (1-in. screw), \$1.25

### STORE AND BAG TRUCKS.

MADE OF HARD WOOD  
AND WELL IRONED.  
RUBBER TIRED  
WHEELS,  
for Hotel Use.



Price, \$2.25 to \$10.00

### BULL RINGS.

Copper and Steel.



Price, 15c. to 30c. each.

### HAY KNIFE.



Price, 75c.

## PICKS AND MATTOCKS

### Pick.



Price, 75c.

### Axe Mattock.

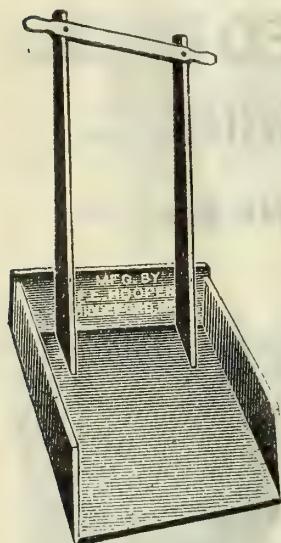


Price, 75c.

### Pick Mattock.



Price, 75c.



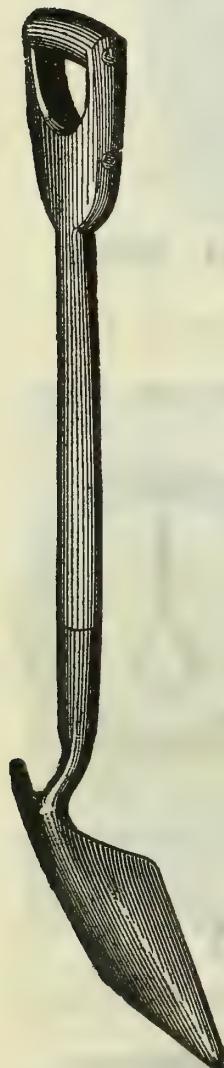
## THE HOOPER SNOW SHOVELS.

For Railroad Crossings and Platforms, Ice Ponds, Mill Yards, Flat Roofs, Concrete Walks and General Shoveling.

Price, 2 feet,	\$.2.50
" 2 " 6 inches,	3.00
" 2 " 9 "	3.25

### Steel Shovels, Spades, Scoops, Hoes, Forks and Rakes.

Complete Assortment of all Garden Tools  
constantly on hand.



Maynard's Solid  
Steel Socket  
Shovels and Spades.



Post  
Spoon.

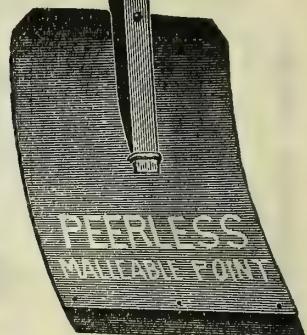


Long Handle  
Square Point  
Shovel.



Long Handle  
Round Point  
Shovel.

Wooden  
and  
Steel  
Snow  
Shovels.



D Handle Square Point Shovel.



D Handle Round Point Shovel.



D Handle Spade.

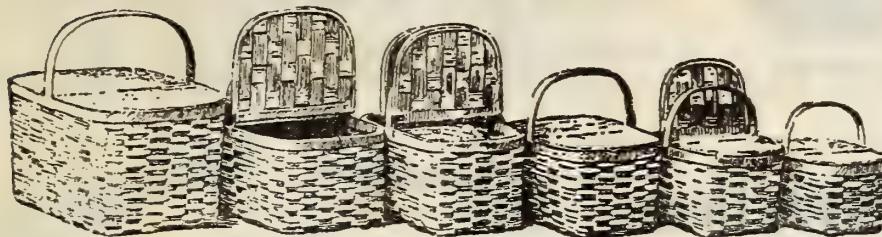


Solid Steel Scoop.



Wire Potato Scoop.

**BASKETS**  
 OF EVERY SIZE AND STYLE FOR  
 FACTORY, MILL, STORE, FARM, AND OFFICE.  
 Corn Packers' Baskets a Specialty. Write for quotations.



Ash-Covered Lunch Baskets.

One or Two Bail, Ash-Covered Lunch Baskets.

No. 0.....	\$1.25 each.	No. 4.....	\$ .55 each.
No. 1.....	1.00 "	No. 5.....	.50 "
No. 2.....	.70 "	No. 6.....	.40 "
No. 3.....	.60 "	No. 7.....	.35 "



Hole-Handled Market Baskets.



Bail-Handled Market Baskets.

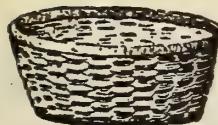
Solid Oak Market Baskets, with Bail, Hole or Block Handle Strapped.

No. 0.....	\$ .60 each.	No. 2.....	\$ .85 each.
No. 1.....	.50 "	No. 3.....	.30 "



**THE HOLDEN ASH STAVE BASKETS.**

One of the smoothest, strongest and best baskets for farmers and grocers. Made in every size from  $\frac{1}{4}$  bushel to 4 bushels.

Barrell Baskets.  
35 cents.

Oval Willow Clothes Baskets.

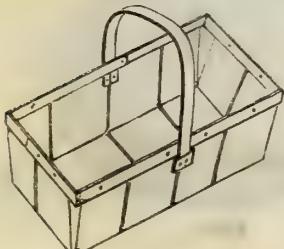
Small.....	\$ .65 each
Medium.....	.75 "
Large.....	.90 "

Oblong Ash Clothes Baskets.

Small.....	\$ .75 each
Medium.....	1.00 "
Large.....	1.25 "



Oval Willow Clothes Basket.



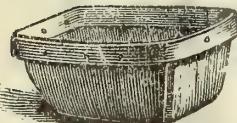
**VERBENA BASKETS.**

With wood or wire handle. 10 in. long; 5 in. wide; 3 in. deep. \$2.00 hundred;  
\$18.00 per thousand.

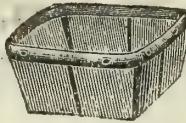
Wood handle. 12 in. long; 7 in. wide; 4 in. deep. \$2.50 per hundred; \$23.00 per thousand.

**Special prices quoted for large quantities.**

## BERRY BASKETS.



Oblong Pint.



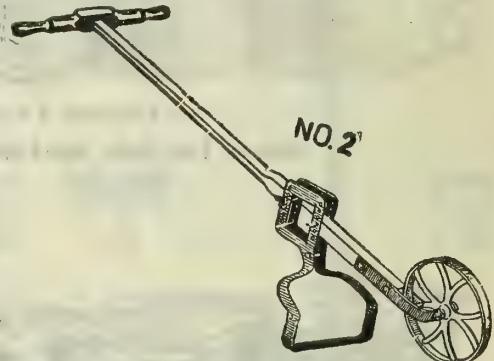
Quart.

Our berry baskets are made of best quality clear wood and put up in good strong crates. Packed 1,000 in a crate. Write for prices.

## Fuller's Unique Wheel Hoes.

Superior to all hand tools made, to cultivate between rows. The handles are adjusted to any height. Having only one wheel they run between the rows without bruising the tops, and having no frame work they do not tear the growing plants on either side.

Price, \$2.50.



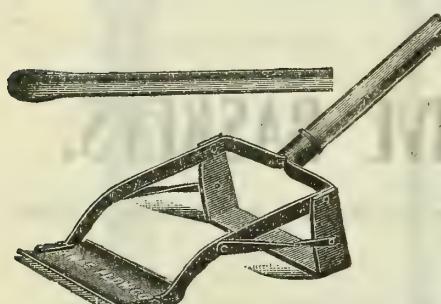
## Fuller's Daisy Hand Weeder.

A light and easy-working weeder. Excellent for general weeding purposes, doing the work easier and quicker than by ordinary methods.

Price, 25c.; by mail, 35c.



## Arlington Scuffle Hoes. 8 inch and 9 inch blade. Each \$1.50.



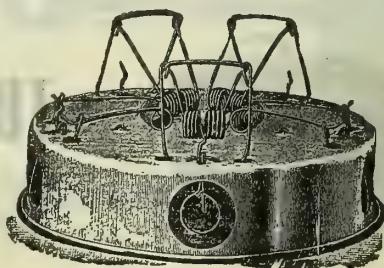
Arlington Scuffle Hoe.

### Dutch Hoe.

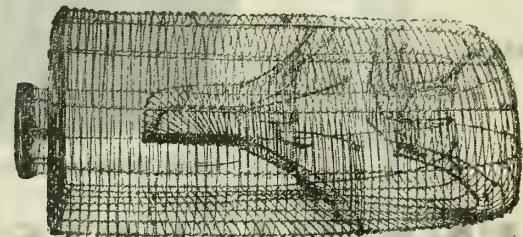


Price, 50 cents.

## Tin Mouse Trap.



10c.

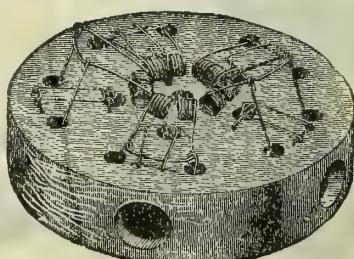


## MARTY RAT AND MOUSE TRAPS.

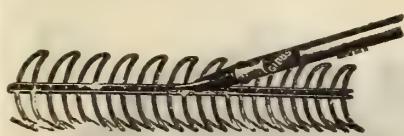
The most effective Wire Trap ever produced.

Price—No. 1, \$75; No. 3 1-2, 40c.; Mouse, 25c.

## Round Wood Mouse Trap.



10c.



## THE GIBBS LAWN RAKE.

A perfect implement for cleaning lawns from leaves, grass and all kinds of rubbish without injuring the grass and roots.

Price, each, 40 cents.

## EXCELSIOR WEEDEER.



This instrument will work well among rows of seedlings and ornamental plants, or in any place where freedom from weeds is desired.

Price, 10 cents each; by mail, 15 cents.

## FLORAL TOOLS IN SETS.

From 10 cents to \$1.00 per set.



## GARDEN REELS.

No. 1. - 50 cents.

No. 2. - 75 cents.

## GARDEN LINES.

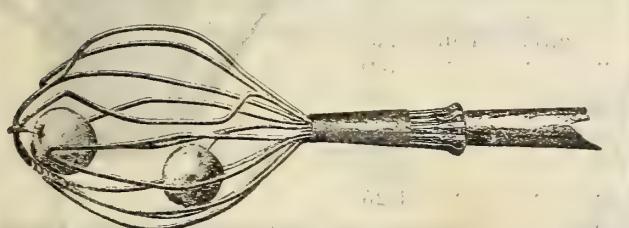
100 feet long, 50 cents each.

## CAST STEEL GARDEN RAKES.



10 teeth.....	Price, 40 cents
12 " .....	" 45 "
14 " .....	" 50 "
16 " .....	" 55 "
18 " .....	" 60 "

## Wire Fruit Picker.



Price, 25c. each.

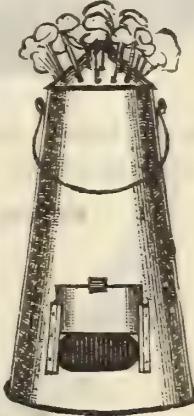
## Border Knife.



9 inches, 60 cents each.

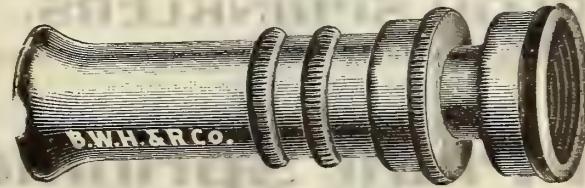
## Eureka Fumigators.

FOR FUMIGATING WITH TOBACCO STEMS.



No. 1, 12 inches high,	\$1.50
" 2, 16 " "	2.00
" 3, 20 " "	2.50

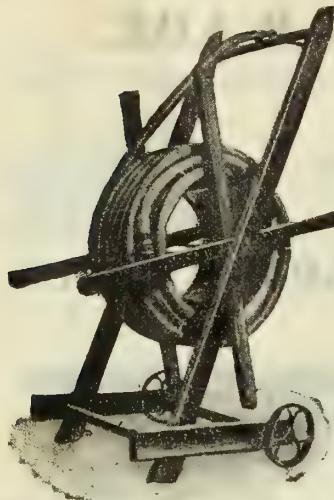
## BOSTON HOSE NOZZLE.



Price, 40c. each.

## NATURAL COLORED RAFFIA.

The best material for tying plants; very soft, strong and pliable. FINE, LONG, SELECTED RAF-FIA for FANCY WORK. 20 cts. per lb.



# HOSE REELS.

Made from hard wood.  
Strong, well bolted together,  
and durable.

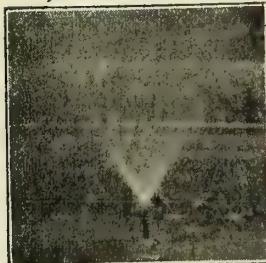
**Price from 75c. to \$3.00.**



## **GARDEN AND LAWN HOSE.**

## **High Grade Rubber and Cotton Hose.**

# THE "SHOWER" LAWN SPRINKLER.



This sprinkler, with ordinary pressure, distributes water over a diameter of about twenty-five feet, the water descending in the form of light, natural rain. Will not clog or corrode, and is practically indestructible.

**PRICE, \$1.50.**

# FOUNTAIN LAWN SPRINKLER.

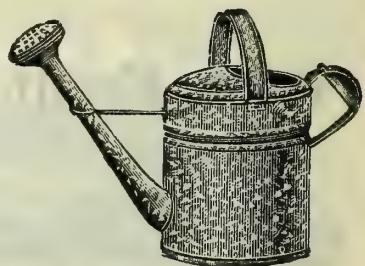


Made of brass. Easily moved over the lawn without turning off the water.

Price, 65 cents.

## **WATER SPRINKLER.**

1	qt.	painted	tin.	\$	.20
2	"	"	"		.25
4	"	"	"		.35
6	"	"	"		.40
8	"	"	"		.50
10	"	"	"		.60
12	"	"	"		.70
4	"	galv.	iron.		.45
6	"	"	"		.50
8	"	"	"		.60
10	"	"	"		.70
12	"	"	"		.75
16	"	"	"		1.00
20	"	"	"		1.25



All our sprinklers are made with movable heads, which unscrew with an eighth turn. The screw is of zinc and will not rust.

## **PARLOR SPRINKLERS.**

1 quart. Painted Tin..... 40c. 2 quart. Painted Tin..... 45c. 3 quart. Painted Tin..... 50c.

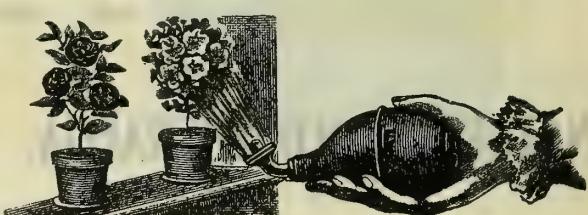
# **Tyrian Plant Sprinklers.**

#### STRAIGHT NECK.

## BENT NECK.

$\frac{1}{2}$  pint size ..... \$ .75  
 $\frac{3}{4}$  pint size ..... .85  
1 pint size ..... 1.00

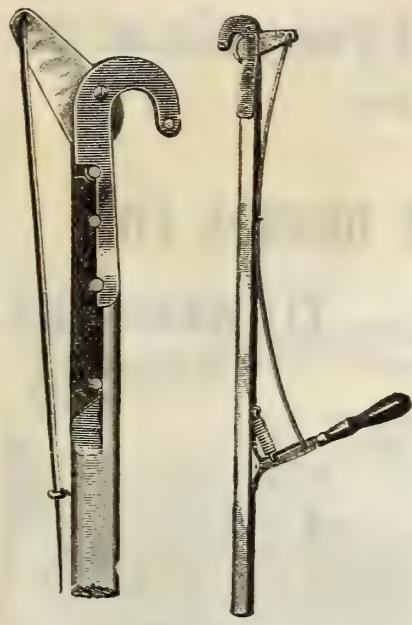
If sent by mail, 10 cents each, extra.



# STANDARD TREE PRUNER.

Is the lightest device made for the purpose.

Will cut larger wood than any other device that is practical to handle.  
Will clip the slightest twig on the extreme end of the limb.



## Prices.

8 feet .....	\$ .85	14 feet .....	\$1.10
10 feet .....	.90	16 feet .....	1.15
12 feet .....	1.00	Extra blades .....	.20

# SHEEP SHEARS.

True Vermonter, 5½ inch .....	\$ .85
" " 6 " .....	1.00

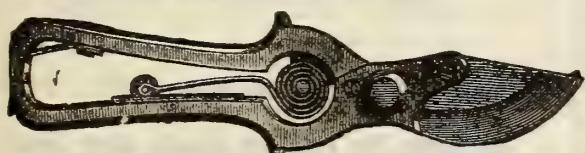


Sheep shears, for trimming grass .....	.25
Lightning shears, for trimming grass .....	.40

# DOUBLE-EDGED PRUNING SAWS.

For use with or without pole. The lightning edge teeth are for cutting the limbs and the back teeth are for cutting off the twigs.

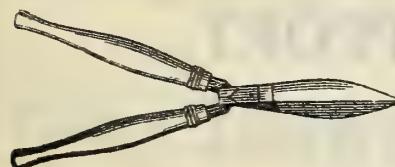
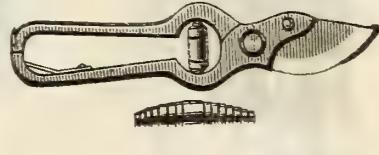
18 inch, 75 cts.; 20 inch, 85 cts. each.



# PRUNING SHEARS.

American, .....	35c. and 50c.
French wheelspring, 8 in., .....	\$1.25
" " 9 in., .....	1.50
" " 10 in., .....	1.75

No. 100, 8 in., .75



# HEDGE SHEARS.

8 inch .....	\$1.25
9 inch .....	1.35
10 inch .....	1.75

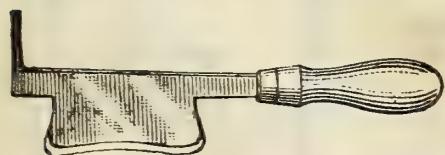
# BORDER SHEARS.

## With Long Handle.

8 inch .....	\$1.75
9 inch .....	2.00
10 inch .....	2.50

With wheel, 50 cents extra.

# GRAFTING CHISEL.



Price, 60c. each.

# Hazeltine Weeder.



Price, 25c. each.

# ROCKDALE PRUNER.



## Price.

No. 35, 26 in. long, \$ .75  
No. 38, 41 in. " 1.00

# CRESCENT GRASS HOOK.



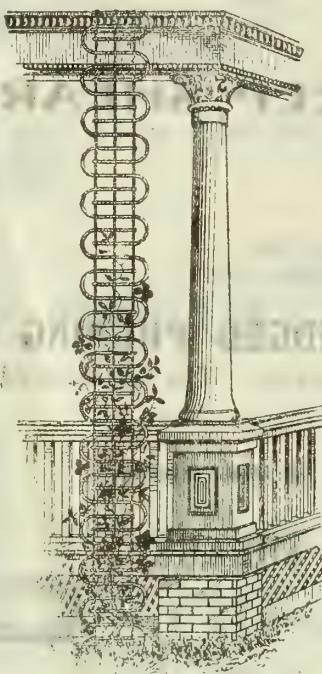
Made from crucible steel. Blade adjustable at any angle and held securely by nut and ratchet.

Price, 40c. each.



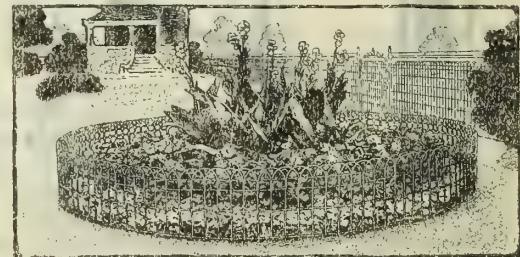
Tree Guards.

## Galvanized Wire Trellis.



Price, 12c. per ft.

Made from  
heavy wire,  
and very  
durable. An  
ornamental  
trellis.

WIRE GUARDS FOR  
FLOWER BEDS.

Made of heavy galvanized wire,  
and will last for years.

## Price:

Height, 16 in., 10 cents per foot.  
Height, 22 in., 12 cents per foot.

## TOMATO AND PLANT SUPPORT.

Designed especially to protect tomatoes,  
dahlias, gladioli, and other  
tall growing plants.



BARTLETT.

## THE BARTLETT

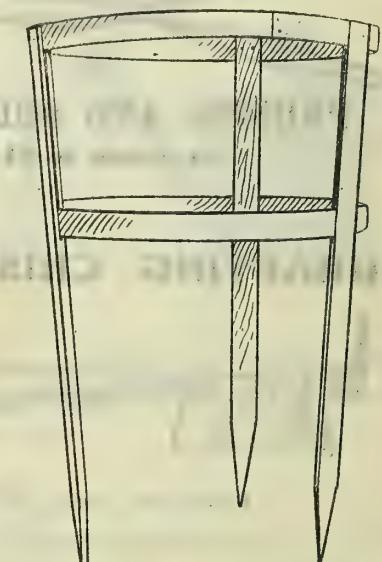
MADE FROM HARD WOOD, WITH WIRE HOOPS.

Price, 20 cents each; \$1.75 per dozen.

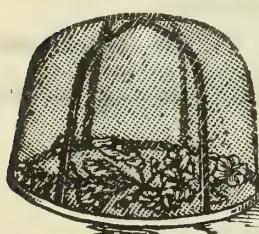
## THE BRYANT

MADE OF HARD WOOD STANDARDS AND WOOD  
HOOPS.

Price, 15 cents each; \$1.50 per dozen.



BRYANT.



## ARLINGTON PLANT PROTECTOR.

Price, 15 cents each; \$1.50 per dozen.

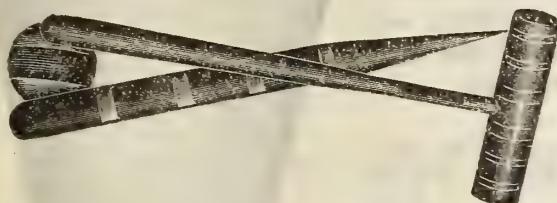
## IRON BOUQUET HOLDERS.

No. 1, Small	20 cents
No. 2, Medium	25 cents
No. 3, Large	30 cents

## FOLDING LAWN SETTEE.

Made from hard wood and finished in varnish and vermillion.

**Price, \$1.00.**



**"IRON AGE"**  
HORTICULTURAL  
ROW INDEX.

Made of galvanized iron, the label protected by sheet of mica. Will be found indispensable for private gardens, trial grounds, greenhouses, parks, etc.

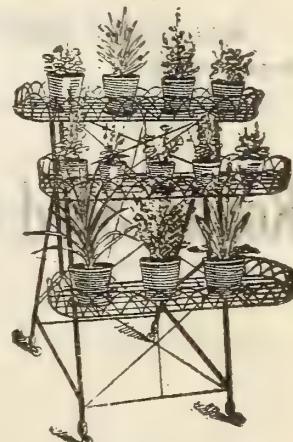
**Price, 8 inch 15c. each.**

" 18 "	18c.	"
" 24 "	20c.	"



**WIRE  
PLANT  
STANDS.**

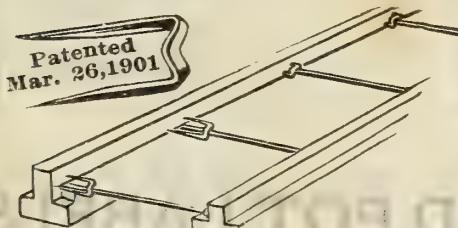
1 shelf, folding	\$1.75
2 " "	2.50
3 " "	3.25
4 " "	4.00



**TROWBRIDGE'S GRAFTING WAX.**

The finest quality made, put up in neat packages with directions for use. 25c. per lb. ;  $\frac{1}{2}$  lb. packages, 15c.;  $\frac{1}{4}$  lb. packages, 10c. By mail, 15c. per lb. extra. **Beeswax**, 40c. per lb. By mail, 15c. per lb. extra.

**"Peerless" Glazing Points.**



Made from galvanized steel wire; are cheap and indestructable. Easy to apply and perfectly satisfactory to use. Per 1,000, 60 cts. ; by mail, 75 cts.



Self - Registering  
Thermometer.

**Self-Registering Thermometer.**

Registers accurately the coldest, also the warmest point of temperature. \$3.25 each.

**Hot Bed Mats.** Best rye straw.

6 x 6 ft., \$1.50 each.

**Tinfoil.** For bouquets. Lb., 12 cts.

**Twine, Soft.** For tying vines, etc. ; very strong. Large balls, 15 cts.

**Tarred Yarn.** Low priced material for raspberries, shrubs, etc. Lb., 12 cts.

# FLOWER POTS—Standard.



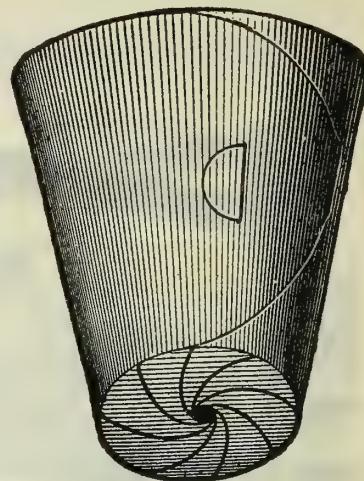
Inches.	Pots. Per dozen.	Saucers. Per dozen.
2	\$ .10	
2½	.12	
3	.15	\$ .12
3½	.20	.15
4	.25	.18
5	.40	.24
6	.60	.32
7	.90	.45
8	1.25	.60
9	1.75	.75
10	3.00	.95
11	3.50	1.10
12	5.00	1.35
14	9.00	2.25

Measurement from inside to inside. Width and depth equal.

## NEPONSET PAPER FLOWER POTS.

Manufactured from fabric which gives them all the necessary rigidity. They are unbreakable and give ample drainage.

Size.	Per 100.	Per 1,000.
2½	\$ .25	\$ 2.20
2½	.30	2.40
3	.45	3.90
3½	.60	5.15
4	.80	6.90
5	1.20	10.35
6	1.65	14.55

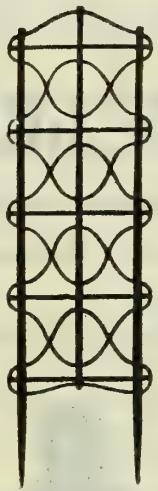


## Round Seed and Bulb Pans.

Inches.	Each.	Per doz.	Inches.	Each.	Per doz.
6	\$ .07	\$ .72	9	\$ .13	\$ 1.35
7	.08	.85	10	.15	1.60
8	.10	.96	12	.25	3.00

## Special Quotations to Florists.

## TRELLISES.



Veranda Trellis.

	Each.	Per doz.
No. 00, 18-in. stick, 3½ in. wide.....	\$0.05	\$0.50
" 00 wide, 20-in. stick, 8 in. wide..	.10	1.00
" 0, 24-in. stick, 5 in. wide.....	.10	1.00
" 0 wide, 24-in. stick, 8 in. wide...	.12	1.25

### BOW TRELLIS.

	Each.	Per doz.
No. 03, 24x7½ in.....	\$0.25	\$2.00
" 1, 30x10 in.....	.30	2.50
" 2, 30x14 in.....	.35	3.00
" 3, 36x12 in.....	.45	4.50
" 3½, 42x14 in.....	.50	5.00
" 4, 48x15 in.....	.60	6.00
" 5, 60x18 in.....	.70	7.50
" 6, 72x20 in.....	.85	9.00

### CROSS TRELLIS.

	Each.	Per doz.
24x15 in.....	\$0.35	\$4.00
42x24 in.....	.50	5.00

### IVY TRELLIS.

	Each.	Per doz.
16-in. diameter.....	\$0.45	\$5.00
20-in. "	.60	7.00
24-in. "	.85	9.00

### FAN TRELLIS.

	Each.	Per doz.
1½ ft. diameter.....	.10	1.00
2 ft. "	.15	1.50
2½ ft. "	.20	2.00

### VERANDA TRELLIS.

	Each.
2 ft.....	\$0.35
3 ft.....	.45
4 ft.....	.50
5x1 ft.....	.75
6x1 ft.....	.95
7x1 ft.....	1.10
8x1 ft.....	1.25
9x1 ft.....	1.50
10x1 ft.....	1.75
11x2 ft.....	2.10
12x2 ft.....	2.35

## PLANT STICKS.

From two to six feet in length, used for supporting single stalks of roses, dahlias, etc.

	Per doz.	Per 100.
1½ feet, painted green.....	\$ .15	\$1.00
2 " " " .....	.20	1.50
2½ " " " .....	.25	2.00
3 " " " .....	.50	4.00
4 " " " .....	.70	5.50
5 " " " .....	.95	7.50
6 " " " .....	1.10	9.00

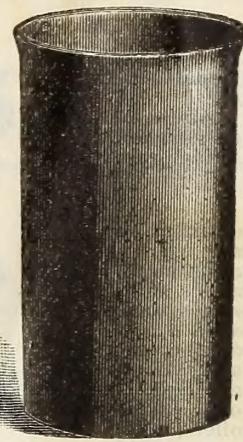
## WOOD POT LABELS.

	PLAIN.	PAINTED.
Per 1,000.		Per 1,000.
4 inch.....	\$ .50	\$ .70
4½ inch.....	.60	.80
5 inch.....	.70	.95
6 inch.....	.90	1.20

# FLORISTS' VASES.

## FOR DISPLAYING CUT FLOWERS.

No.	0	8 inches in diameter, 13 inches deep.	\$ .55 each.
1	5 1/2	" 10 "	.50 "
2	4 1/2	" 9 "	.45 "
3	4	" 6 "	.35 "
4	3	" 4 1/2 "	.25 "
000	9	" 29 "	2.35 "
00	9	" 22 "	1.85 "
01	7	" 20 "	1.00 "
11	5 1/2	" 18 "	.50 "
22	4 1/2	" 15 "	.45 "
33	4	" 12 "	.40 "
44	3	" 9 "	.35 "



## FIBRE FLOWER POT SAUCERS.

No moisture passes through to injure table, floor or carpet.

### QUANTITY OF SEEDS REQUIRED FOR A GIVEN NUMBER OF HILLS OR LENGTH OF DRILLS.

Asparagus.....	1 ounce....	60 feet of drill
Beet.....	1 "	50 "
Beans, Dwarf.....	1 quart....	100 "
Beans, Pole.....	1 "	150 hills
Carrot.....	1 ounce....	100 feet of drill
Cucumber.....	1 "	50 hills
Corn.....	1 quart....	200 "
Melon, Water.....	1 ounce....	30 "
Melon, Musk.....	1 "	60 "
Onion.....	1 "	100 feet of drill
Onion sets.....	1 quart....	40 "

Parsley.....	1 ounce....	150 feet of drill
Pumpkin.....	1 "	40 hills
Dandelion.....	1 "	100 feet of drill
Parsnip.....	1 "	200 "
Peas.....	1 quart....	75 "
Radish.....	1 ounce....	100 "
Spinach.....	1 "	100 "
Squash, Early.....	1 "	50 hills
Squash, Late.....	1 "	15 "
Turnip.....	1 "	150 feet of drill

### TABLE SHOWING THE QUANTITY OF SEED USUALLY SOWN UPON AN ACRE.

	Lbs. per bush.	
Barley, broadcast.....	.48	2 to 3 bush.
Beans, Dwarf, in drills.....	.60	1 1/2 bush.
Beans, Pole, in hills.....	.60	10 to 12 qts.
Beets, Table, in drills.....	6 lbs.	
Beets, Mangold Wurzel.....	5 lbs.	
Buckwheat.....	.48	1 bush.
Cabbage, in beds to transplant.....	1/4 lb.	
Carrot, in drills.....	3 to 4 lbs.	
Clover, Red.....	.60	15 to 20 lbs.
Clover, White.....	.60	12 to 15 lbs.
Clover, Alsike.....	.60	10 lbs.
Clover, Lucerne or Alfalfa.....	.60	20 lbs.
Corn, in hills.....		10 qts.
Corn, for fodder.....		3 bush.
Cucumber, in hills.....		2 lbs.
Grass, Kentucky Blue.....	.14	3 bush.
Grass, Orchard.....	.14	3 bush.
Grass, Red Top (reclined).....	.40	6 lbs.
Grass, Timothy.....	.45	1/2 bush.
Grass, Hungarian.....	.48	1 bush.
Grass, Lawn.....	.25	3 bush.
Melon, Musk, in hills.....		2 to 3 lbs.
Melon, Water, in hills.....		4 to 5 lbs.

	Lbs. per bush.	
Millet, Japanese.....	.40	25 lbs.
Millet, German.....	.50	1 bush.
Oats, broadcast.....	.32	2 to 3 bush.
Onion, in drills.....		5 lbs.
Onion Sets, in drills.....		6 to 12 bu.
Parsnip, in drills.....		4 to 6 lbs.
Peas, broadcast.....		3 bush.
Peas, in drills.....		2 bush.
Potatoes (cut tubers).....	.60	8 bush.
Pumpkin, in hills.....		4 lbs.
Radish, in drills.....		8 to 10 lbs.
Round Peas, in drills.....	.60	1 1/2 bush.
Rye, broadcast.....	.56	1 1/2 to 2 bu.
Sage, in drills.....		8 to 10 lbs.
Spinach, in drills.....		15 lbs.
Squash (bush varieties), in hills.....		4 lbs.
Squash (running varieties), in hills.....		3 lbs.
Tomato, to transplant.....		1/4 lb.
Turnip, broadcast.....		2 to 3 lbs.
Turnip, in drills.....		1 1/2 lbs.
Vetches, broadcast.....		2 to 3 bush.
Wheat, broadcast.....	.60	1 1/2 to 2 bush.
Wrinkled Peas, in drills.....		1 1/4 bush.

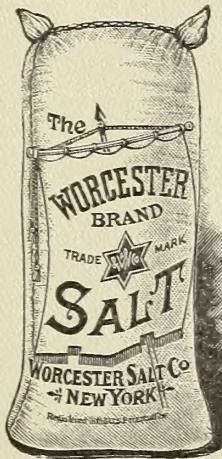
BOOKS	on the Farm, Orchard and Garden.	All books sent postpaid on receipt of price.
Asparagus Culture.....	\$ .50	Garden, Money in the..... \$1.00
Beekeeping Explained, Mysteries of.....	1.00	Insects and Insecticides..... 1.50
Bulbs and Tuberous-Rooted Plants.....	1.50	Key to Profitable Stock Raising..... .25
Cabbage, Cauliflower and allied Vegetables.....	.50	Mushrooms—How to Grow Them..... 1.00
Celery for Profit.....	.20	Manures, Talks on. Revised Edition..... 1.50
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Draining Land.....	1.00	Potato Culture, A B C of..... .60
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<b>O</b>	Q	Q		
<b>P</b>	R	R		
<b>Q</b>	S	S		
<b>R</b>	T	T		
<b>S</b>	U	U		
<b>T</b>	V	V		
<b>U</b>	W	W		
<b>V</b>	X	X		
<b>W</b>	Y	Y		
<b>X</b>	Z	Z		
<b>Y</b>				
<b>Z</b>				

# WORCESTER SALT

## THE STANDARD



Whether judged by fineness, whiteness, purity, evenness of grain, beautiful crystals, sweet flavor, or freeness from tendency to harden it has *NO EQUAL*. Consequently it is the *STANDARD* which all other manufacturers have endeavored to reach, as yet without success.

If you are not using WORCESTER SALT, one trial will convince you of its superiority.

If you are using it, "enough said."

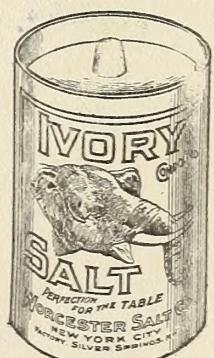
**BEST GROCERS EVERYWHERE SELL IT**

## WORCESTER PACKING SALT

for packing meats, and the Common Fine Salt manufactured by the WORCESTER SALT COMPANY are celebrated for their SUPERIOR QUALITIES.

## IVORY FREE RUNNING SALT

packed in cartons, with spout attachment, is the best salt and package on the market; does not harden in the shakers, but is always free running.



**IN ORDERING SALT ALWAYS ORDER**

**"WORCESTER SALT"**

**KENDALL & WHITNEY**

STATE AGENTS

PORTLAND, MAINE

